TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

PROJECT NO. 518014

KORKAY

Lot #: H8A310110

John Strang

New York State D.E.C.
Division of Environmental
Remediation
625 Broadway
Albany, NY 12233

TESTAMERICA LABORATORIES, INC.

Jamie A. McKinney
Project Manager

February 5, 2008

ANALYTICAL METHODS SUMMARY

H8A310110

PARAMETER	ANALYTICAL METHOD
Volatile Organics by TO15	EPA-2 TO-15

References:

EPA-2 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-625/R-96/010b, January 1999.

SAMPLE SUMMARY

H8A310110

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KGCR2	001	BASEMENT	01/29/08	09:49
KGCR4	002	FIRST FLOOR	01/30/08	09:46
KGCR6	003	BACKYARD	01/30/08	10:44

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

PROJECT NARRATIVE
H8A310110

The results reported herein are applicable to the samples submitted for analysis only.

This report shall not be reproduced except in full, without the written approval of the laboratory.

The original chain of custody documentation is included with this report.

Sample Receipt

There were no problems with the condition of the samples received.

Quality Control and Data Interpretation

Unless otherwise noted, all holding times and QC criteria were met and the test results shown in this report meet all applicable NELAC requirements.

Sample Data Summary

New York State D.E.C.

Client Sample ID: BASEMENT

GC/MS Volatiles

Lot-Sample # H8A310110 - 001 Work Order # KGCR21AA Matrix.....: AIR

Date Sampled...: 1/29/08
Prep Date.....: 2/1/08
Prep Batch #.....: 8035067
Dilution Factor.: 1

Date Received..: 1/31/08
Analysis Date... 2/1/08

Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethylbenzene	**0.12**	**0.080**	**0.52**	**0.35**
Trichlorofluoromethane	**0.65**	**0.080**	**3.6**	**0.45**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	ND	0.20	ND	0.69
Benzene	**0.56**	**0.080**	**1.8**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.91**	**0.080**	**3.4**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	**0.14**	**0.080**	**0.69**	**0.39**
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	**0.13**	**0.080**	**0.57**	**0.35**
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	**0.088**	**0.080**	**0.68**	**0.61**
m-Xylene & p-Xylene	**0.35**	**0.080**	**1.5**	**0.35**
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	**1.2**	**0.16**	**3.4**	**0.47**
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.099**	**0.040**	**0.62**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	**0.47**	**0.20**	**0.97**	**0.41**

New York State D.E.C.

Client Sample ID: BASEMENT

GC/MS Volatiles

Lot-Sample # H8A310110 - 001 Work Order # KGCR21AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	ND	0.20	ND	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**0.52**	**0.080**	**2.6**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	29	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	116	70 - 130
Toluene-d8	108	70 - 130
4-Bromofluorobenzene	99	70 - 130

Qualifiers

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: FIRST FLOOR

GC/MS Volatiles

Lot-Sample # H8A310110 - 002 Work Order # KGCR41AA Matrix.....: AIR

Date Sampled...: 1/30/08 Date Received..: 1/31/08
Prep Date.....: 2/1/08 Analysis Date... 2/1/08
Prep Batch #.....: 8035067
Dilution Factor.: 1 Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroeth ane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethylbenzene	**0.22**	**0.080**	**0.96**	**0.35**
Trichlorofluoromethane	**0.75**	**0.080**	**4.2**	**0.45**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**0.22**	**0.20**	**0.79**	**0.70**
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	ND	0.20	ND	0.69
Benzene	**0.94**	**0.080**	**3.0**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Styrene	**0.17**	**0.080**	**0.74**	**0.34**
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**2.6**	**0.080**	**9.7**	**0.30**
1,2,4-Trichlorobenzene	**0.089**	**0.080**	**0.66**	**0.59**
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	**0.25**	**0.080**	**1.2**	**0.39**
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	**0.24**	**0.080**	**1.0**	**0.35**
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	**0.10**	**0.080**	**0.79**	**0.61**
m-Xylene & p-Xylene	**0.62**	**0.080**	**2.7**	**0.35**
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	**1.7**	**0.16**	**4.9**	**0.47**
4-Methyl-2-pentanone (MIBK)	**0.22**	**0.20**	**0.89**	**0.82**
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.12**	**0.040**	**0.76**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	**0.70**	**0.20**	**1.4**	**0.41**
Cyclohexane	ND	0.20	ND	0.69

New York State D.E.C.

Client Sample ID: FIRST FLOOR

GC/MS Volatiles

Lot-Sample # H8A310110 - 002 Work Order # KGCR41AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**0.66**	**0.080**	**3.3**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	160	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	117	70 - 130
Toluene-d8	103	70 - 130
4-Bromofluorobenzene	104	70 - 130

Qualifiers

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: BACKYARD

GC/MS Volatiles

Lot-Sample # H8A310110 - 003 **Work Order #** KGCR61AA **Matrix.....:** AIR

Date Sampled...: 1/30/08 **Date Received..:** 1/31/08
Prep Date.....: 2/1/08 **Analysis Date...** 2/1/08
Prep Batch #.....: 8035067
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethylbenzene	ND	0.080	ND	0.35
Trichlorofluoromethane	**0.36**	**0.080**	**2.0**	**0.45**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**0.22**	**0.20**	**0.76**	**0.70**
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	**0.27**	**0.20**	**0.94**	**0.69**
Benzene	**0.49**	**0.080**	**1.6**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	**0.086**	**0.080**	**0.58**	**0.54**
Toluene	**0.55**	**0.080**	**2.1**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	**1.2**	**0.040**	**6.6**	**0.21**
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	ND	0.080	ND	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	**0.11**	**0.080**	**0.81**	**0.61**
m-Xylene & p-Xylene	**0.19**	**0.080**	**0.81**	**0.35**
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	**1.5**	**0.16**	**4.4**	**0.47**
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.13**	**0.040**	**0.79**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	**0.62**	**0.20**	**1.3**	**0.41**

New York State D.E.C.

Client Sample ID: BACKYARD

GC/MS Volatiles

Lot-Sample # H8A310110 - 003 Work Order # KGCR61AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	ND	0.20	ND	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**0.67**	**0.080**	**3.3**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	**0.096**	**0.080**	**0.38**	**0.32**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	4.4	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	116	70 - 130
Toluene-d8	106	70 - 130
4-Bromofluorobenzene	101	70 - 130

Qualifiers

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8B040000 - 067B **Work Order #** KGHGJ1AA **Matrix.....:** AIR

Prep Date.....: 2/1/08
Prep Batch #.....: 8035067
Dilution Factor.: 1

Date Received..: 1/31/08
Analysis Date... 2/1/08

Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethylbenzene	ND	0.080	ND	0.35
Trichlorofluoromethane	ND	0.080	ND	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	ND	0.20	ND	0.69
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	ND	0.080	ND	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	ND	0.080	ND	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	ND	0.16	ND	0.47
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	ND	0.20	ND	0.41

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8B040000 - 067B Work Order # KGHGJ1AA Matrix.....: AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	ND	0.20	ND	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	ND	0.080	ND	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	110	70 - 130
Toluene-d8	103	70 - 130
4-Bromofluorobenzene	96	70 - 130

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H8B040000 - 067C **Work Order #** KGHGJ1AC **Matrix.....:** AIR

Prep Date.....: 2/1/08
Prep Batch #.....: 8035067
Dilution Factor.: 1

Date Received..: 1/31/08
Analysis Date... 2/1/08
Method.....: TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Benzene	10.0	6.97	32	22	70	70 - 130
Toluene	10.0	7.20	38	27	72	70 - 130
Trichloroethene	10.0	10.1	54	54	101	70 - 130
Chlorobenzene	10.0	8.87	46	41	89	70 - 130
1,1-Dichloroethene	10.0	9.14	40	36	91	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	114	70 - 130
Toluene-d8	102	70 - 130
4-Bromofluorobenzene	107	70 - 130

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Sample Receipt Documentation

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

H8A310110

Canister Samples Chain of Custody Record

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	Project Manager: JOHN STRANG, PE	Sampled By: STRANG	___ of ___ COCs
Company: NYSDEC	Phone: 518 402 9622		
Address: 625 BROADWAY	Site Contact: same		
City/State/Zip ALBANY, NY 12233-7015	TAL Contact:		
Phone: 518 402 9622			
FAX: 518 402 9627			
Project Name: KORKAY	Analysis Turnaround Time		
Site/location: BROADALBIN, NY	Standard (Specify) 30 DAYS		
PO# 510014	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type: Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
BASEMENT	01/29/08	0957	0949	-30	0	K106	6352	X						X				
FIRST FLOOR	01/29/08 to 01/30/08	1028	0946	-29	0	K166	6614	X						X				
BACKYARD	01/29/08 to 01/30/08	1050	1044	-29	-5	K133	6394	X							X			

Sampled by : JOHN STRANG NYSDEC

Temperature (Fahrenheit)

	Interior BASEMENT	Ambient ; BACKYARD	FIRST FLOOR
Start	58° 1/29/08	30's 1/29/08	70° 1/29/08
Stop	1/30/08 62°	1/30/08 30°	1/30/08 70°

Pressure (inches of Hg)

	Interior	Ambient	
Start			
Stop			

REC. AT AMBIENT
CUSTODY SEALS INTACT
1 BOX RH 1/31/08

Special Instructions/QC Requirements & Comments:

UPS # 1Z129992221029546 9
3 CANS / 3 FLOWS

Canisters Shipped by: UPS Strang	Date/Time: 01/30/08 11:55	Canisters Received by:	
Samples Relinquished by: John Strang NYSDEC	Date/Time: 01/30/08 1155	Received by: Ryan Henry	1/31/08 0915
Relinquished by:	Date/Time:	Received by:	

Lab Use Only Shipper Name: Opened by: Condition:

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** H6A310110

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	✓			☐ 1a Do not match COC ☐ 1b Incomplete information ☐ 1c Marking smeared ☐ 1d Label torn ☐ 1e No label ☐ 1f COC not received ☐ 1g Other:	
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C; NC, 1668, 1613B: 0-4°C; VOST: 10°C; MA: 2-6 °C)			✓	☐ 2a Temp Blank = _____ ☐ 2b Cooler Temp = _____	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ 3a Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?	✓			☐ 4a Not present ☐ 4b Not intact ☐ 4c Other:	
5. Were all of the samples listed on the COC received?	✓			☐ 5a Samples received-not on COC ☐ 5b Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐ 6a Leaking ☐ 6b Broken	
7. Were VOA samples received without headspace?			✓	☐ 7a Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐ 8a Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐ 9a Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐ 10a Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐ Incomplete information	
12. For SOG water samples (1613B, 1668A, 8290, LR PAHs), do samples have visible solids present?			✓	If yes & appears to be >1%, was SOG notified? _____	
13. Are the shipping containers intact?	✓			☐ 13a Leaking ☐ 13b Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ 14a Not relinquished	
15. Are tests/parameters listed for each sample?	✓			☐ 15a Incomplete information	
16. Is the matrix of the samples noted?	✓			☐ 15a Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐ 15a Incomplete information	
18. Is the client and project name/# identified?	✓			☐ 15a Incomplete information	
19. Was the sampler identified on the COC?	✓				

Quote #: _____ PM Instructions: _____

Sample Receiving Associate: Ryan Henry Date: 1/31/08

QA026R19.doc, 080707

Volatiles

Raw Sample Data

New York State D.E.C.

Client Sample ID: BASEMENT

GC/MS Volatiles

Lot-Sample # H8A310110 - 001 **Work Order #** KGCR21AA **Matrix.....:** AIR

Date Sampled...: 1/29/08
Prep Date.....: 2/1/08
Prep Batch #.....: 8035067
Dilution Factor.: 1

Date Received..: 1/31/08
Analysis Date... 2/1/08

Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethylbenzene	**0.12**	**0.080**	**0.52**	**0.35**
Trichlorofluoromethane	**0.65**	**0.080**	**3.6**	**0.45**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	ND	0.20	ND	0.69
Benzene	**0.56**	**0.080**	**1.8**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**0.91**	**0.080**	**3.4**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	**0.14**	**0.080**	**0.69**	**0.39**
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	**0.13**	**0.080**	**0.57**	**0.35**
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	**0.088**	**0.080**	**0.68**	**0.61**
m-Xylene & p-Xylene	**0.35**	**0.080**	**1.5**	**0.35**
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	**1.2**	**0.16**	**3.4**	**0.47**
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.099**	**0.040**	**0.62**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	**0.47**	**0.20**	**0.97**	**0.41**

New York State D.E.C.

Client Sample ID: BASEMENT

GC/MS Volatiles

Lot-Sample # H8A310110 - 001 **Work Order #** KGCR21AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	ND	0.20	ND	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**0.52**	**0.080**	**2.6**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	29	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	116	70 - 130
Toluene-d8	108	70 - 130
4-Bromofluorobenzene	99	70 - 130

Qualifiers

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/me.i/E020108.b/kgcr21aa.d
Report Date: 04-Feb-2008 10:05

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/me.i/E020108.b/kgcr21aa.d
Lab Smp Id: KGCR21AA Client Smp ID: BASEMENT
Inj Date : 01-FEB-2008 13:09
Operator : 7126 Inst ID: me.i
Smp Info : ,,0,,,
Misc Info : E020108,TO155,korkay.sub,,500 ML
Comment :
Method : /var/chem/gcms/me.i/E020108.b/TO155.m
Meth Date : 04-Feb-2008 10:05 layk Quant Type: ISTD
Cal Date : 16-JAN-2008 18:51 Cal File: eica169r.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: korkay.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	default calibration
Vo	500.00000	default sample volume

Cpnd Variable Local Compound Variable

02040f

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.503	8.502	(1.000)	155001	4.00000	4.000
* 2 1,4-Difluorobenzene	114	10.692	10.697	(1.000)	792141	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.469	15.469	(1.000)	681698	4.00000	4.000
$ 4 1,2-Dichloroethane-d4	67	9.482	9.482	(0.887)	313335	4.62360	4.624
$ 5 Toluene-d8	98	13.371	13.376	(0.864)	867718	4.30645	4.306
$ 6 4-Bromofluorobenzene	95	17.121	17.126	(1.107)	689560	3.95817	3.958
9 Dichlorodifluoromethane	85	3.769	3.774	(0.443)	133248	0.52162	0.5216
10 Chloromethane	52	3.930	3.935	(0.462)	10423	0.47166	0.4717
13 Vinyl Chloride	62	3.898	4.097	(0.458)	7526	0.10251	~~0.1025~~
20 Trichlorofluoromethane	101	5.124	5.119	(0.603)	153382	0.64561	0.6456
30 1,1,2-Trichlorotrifluoroethane	101	5.953	5.953	(0.700)	10116	0.08840	0.08840
40 2-Butanone	72	7.825	7.819	(0.920)	28693	1.15253	1.152
47 Benzene	78	10.122	10.122	(0.947)	105700	0.55601	0.5560
50 Carbon Tetrachloride	117	10.149	10.149	(0.949)	18397	0.09884	0.09884
62 Toluene	91	13.484	13.489	(0.872)	179498	0.90772	0.9077
63 1,1,2-Trichloroethane	97	13.382	13.559	(0.865)	98765	1.74370	~~1.744~~

2-4-08

Data File: /var/chem/gcms/me.i/E020108.b/kgcr21aa.d
Report Date: 04-Feb-2008 10:05

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
70 Ethylbenzene	91	15.824	15.824	(1.023)	32571	0.12000	0.1200
71 m&p-Xylene	91	15.986	15.991	(1.033)	71157	0.34665	0.3466
75 o-Xylene	91	16.513	16.513	(1.067)	30896	0.13236	0.1324
89 1,2,4-Trimethylbenzene	105	18.337	18.342	(1.185)	33249	0.13960	0.1396

Data File: /var/chem/gcms/me.i/E020108.b/kgcr21aa.d
Report Date: 04-Feb-2008 10:05

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: me.i
Lab File ID: kgcr21aa.d
Lab Smp Id: KGCR21AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/me.i/E020108.b/TO155.m
Misc Info: E020108,TO155,korkay.sub,,500 ML

Calibration Date: 01-FEB-2008
Calibration Time: 10:26
Client Smp ID: BASEMENT
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	131818	78432	185204	155001	17.59
2 1,4-Difluorobenze	639780	380669	898891	792141	23.81
3 Chlorobenzene-d5	594036	353451	834621	681698	14.76

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.50	8.17	8.83	8.50	0.00
2 1,4-Difluorobenze	10.70	10.37	11.03	10.69	-0.05
3 Chlorobenzene-d5	15.47	15.14	15.80	15.47	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /var/chem/gcms/me.i/E020108.b/kgcr21aa.d
Report Date: 04-Feb-2008 10:05

TestAmerica Knoxville

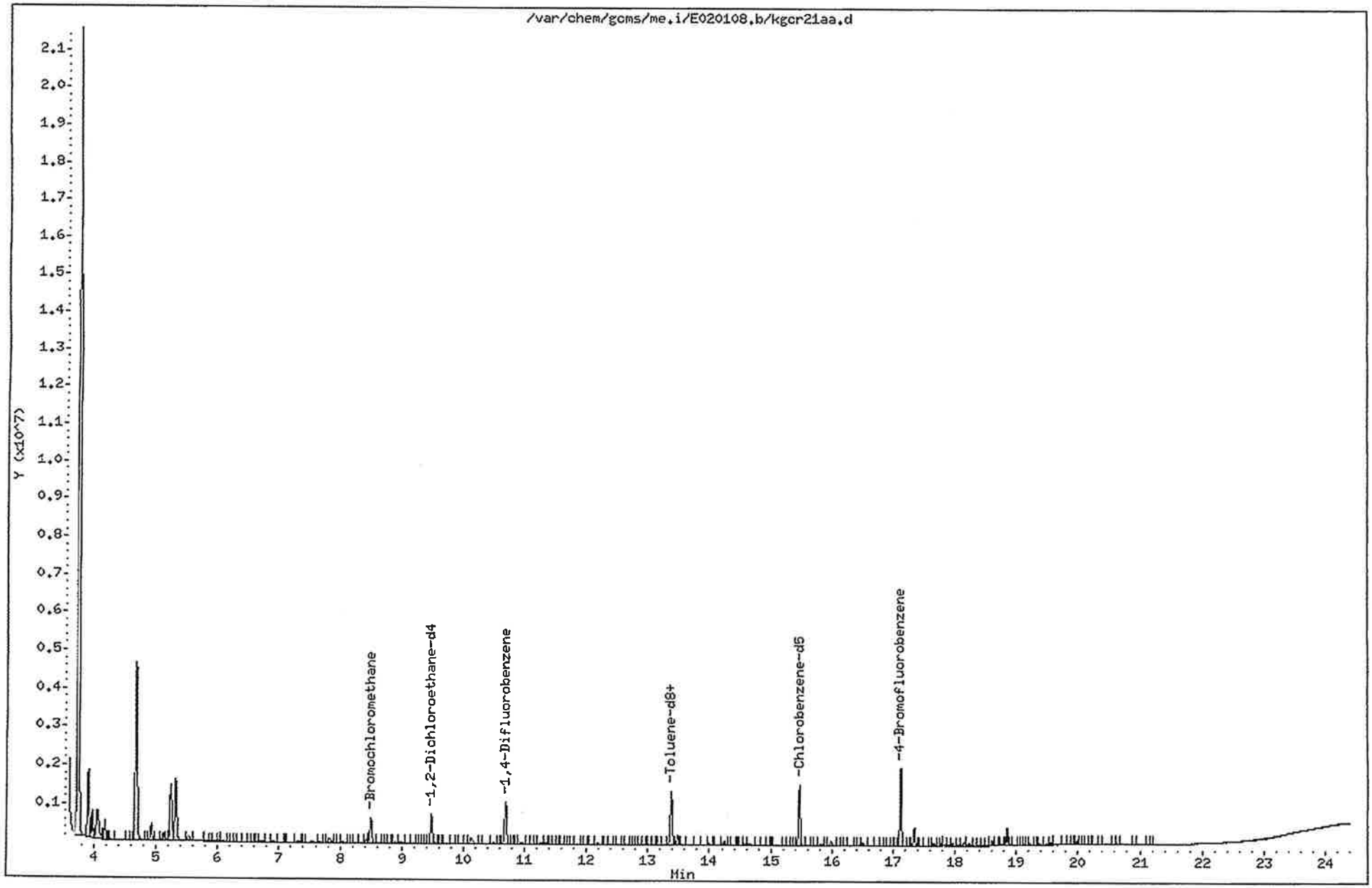
RECOVERY REPORT

Client Name: New York State D.E.C31-JAN-2008 00:00 Client SDG: H8A310110
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: KGCR21AA Client Smp ID: BASEMENT
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: korkay.sub
Method File: /var/chem/gcms/me.i/E020108.b/TO155.m
Misc Info: E020108,TO155,korkay.sub,,500 ML

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 1,2-Dichloroethane	4.000	4.624	115.59	70-130
$ 5 Toluene-d8	4.000	4.306	107.66	70-130
$ 6 4-Bromofluorobenze	4.000	3.958	98.95	70-130

Data File: /var/chem/gcms/me.i/E020108.b/kgcr21aa.d
Date : 01-FEB-2008 13:09
Client ID: BASEMENT
Sample Info: ,,0,,,
Purge Volume: 500.0
Column phase: HP-5

Instrument: me.i
Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/me.i/E020108.b/kgcr21aa.d

Date : 01-FEB-2008 13:09

Client ID: BASEMENT

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

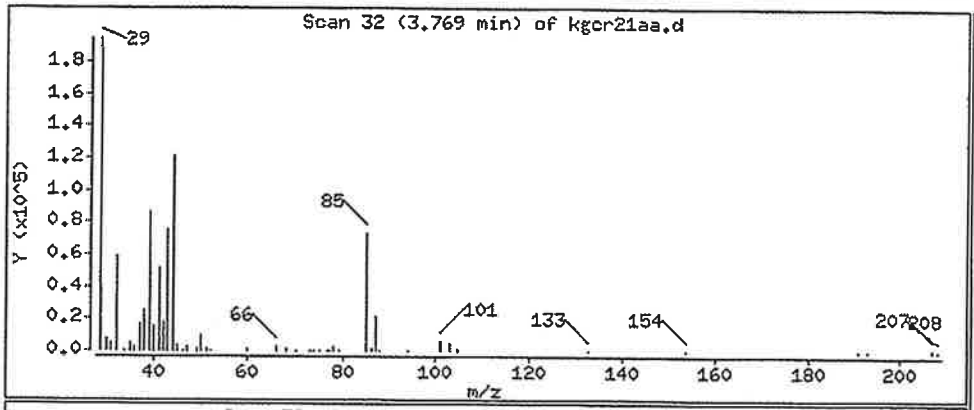
Operator: 7126

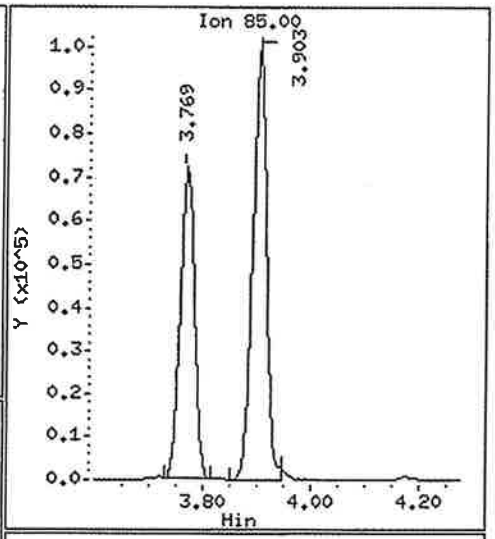
Column phase: HP-5

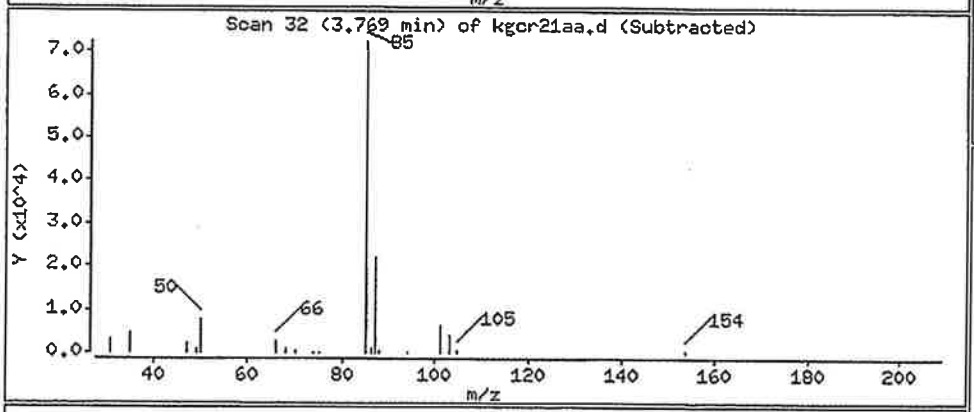
Column diameter: 0.32

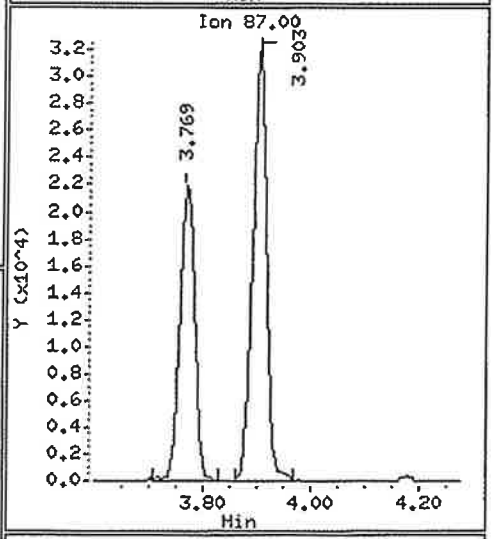
9 Dichlorodifluoromethane

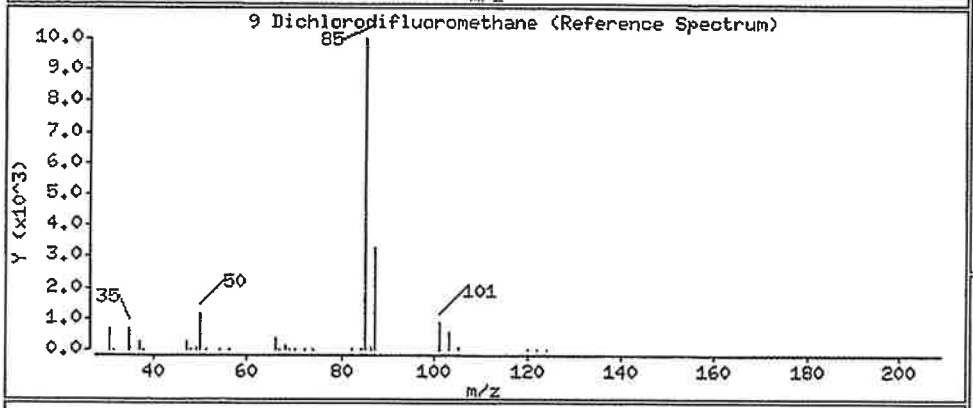
Concentration: 0.5216 ppb(v/v)

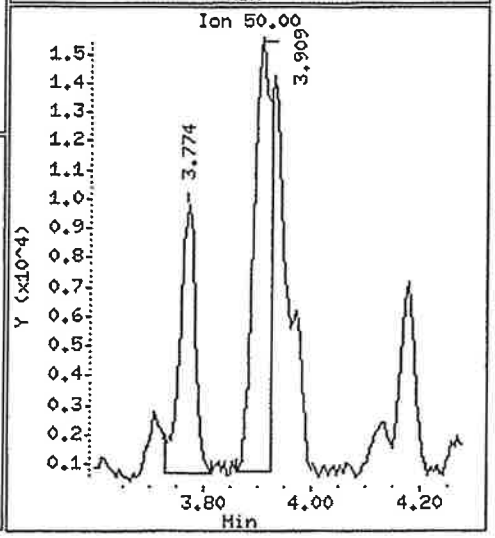


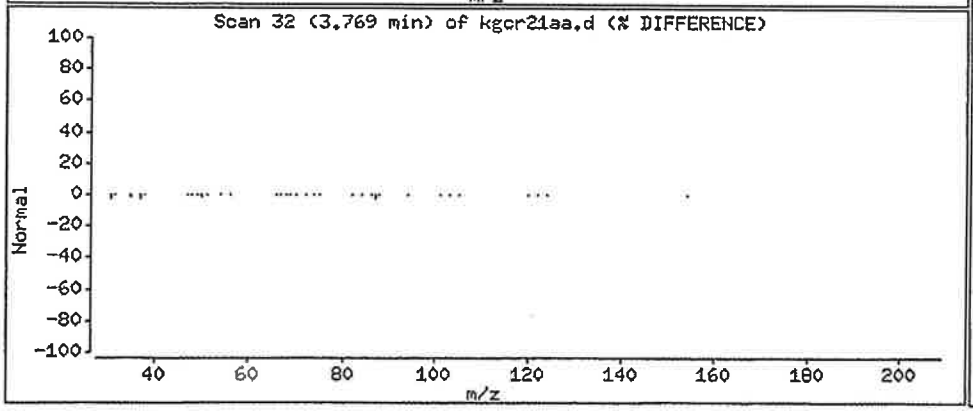












Data File: /var/chem/gcms/me.i/E020108.b/kgcr21aa.d

Date : 01-FEB-2008 13:09

Client ID: BASEMENT

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

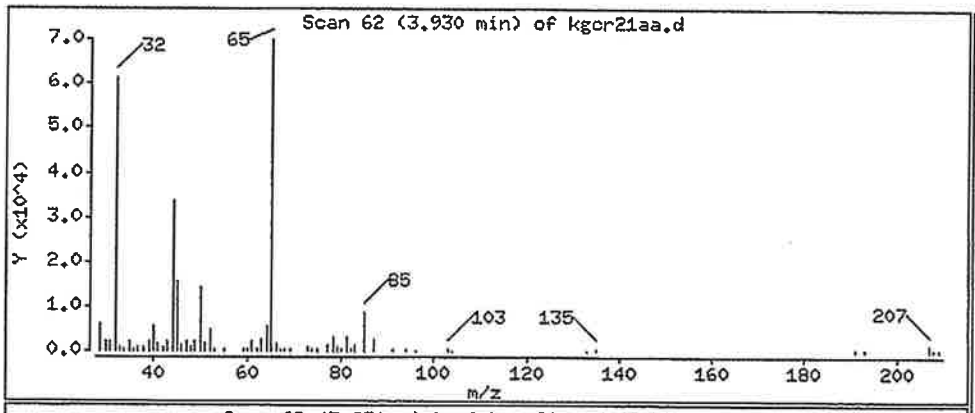
Operator: 7126

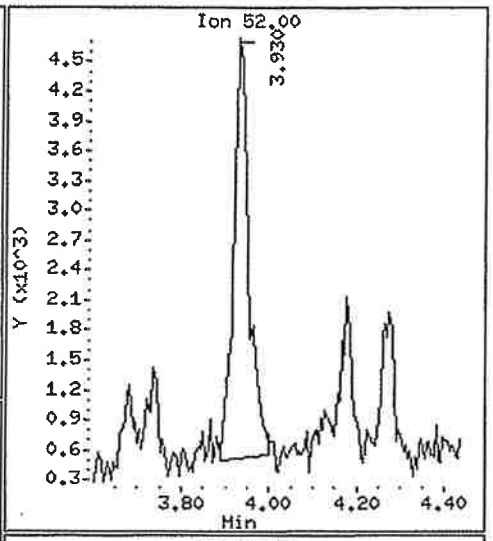
Column phase: HP-5

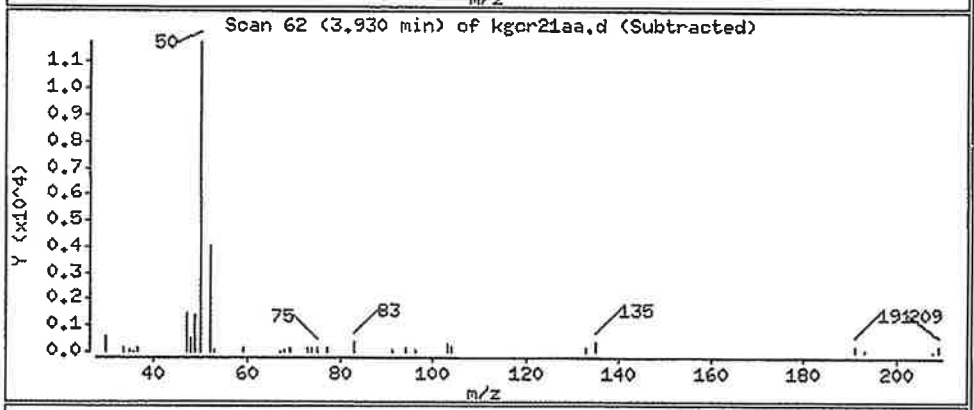
Column diameter: 0.32

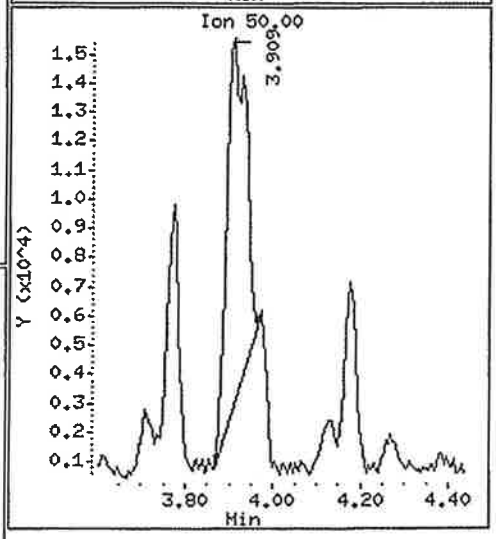
10 Chloromethane

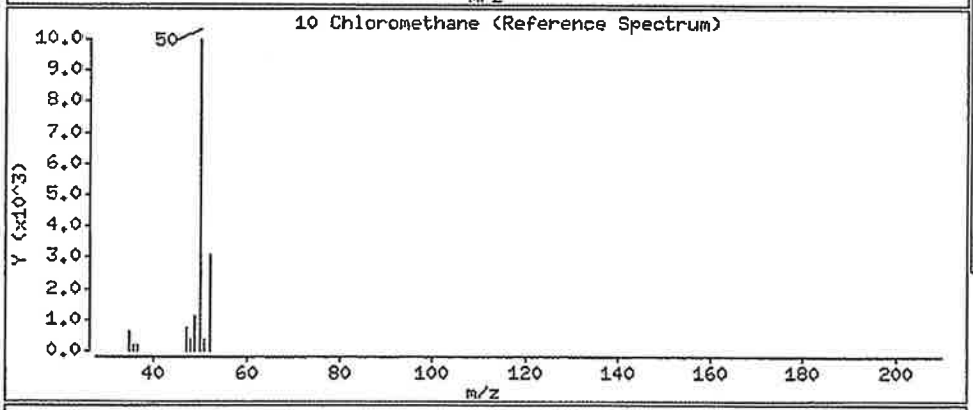
Concentration: 0.4717 ppb(v/v)

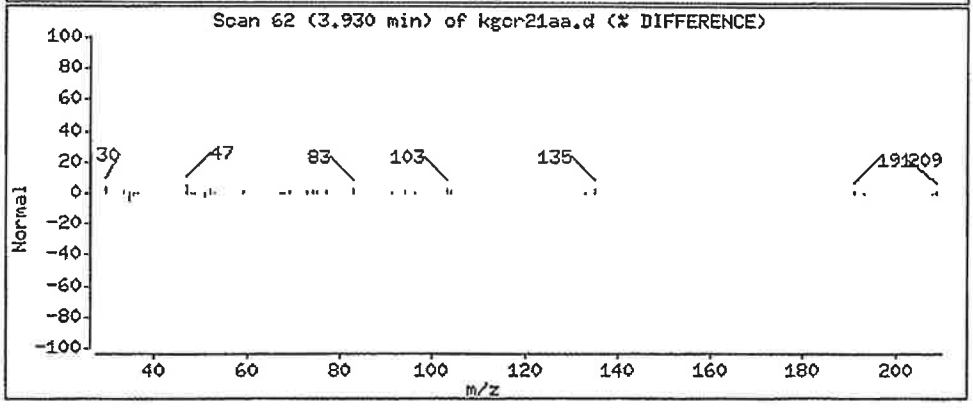












Data File: /var/chem/gcms/me.i/E020108.b/kgcr21aa.d

Date : 01-FEB-2008 13:09

Client ID: BASEMENT

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

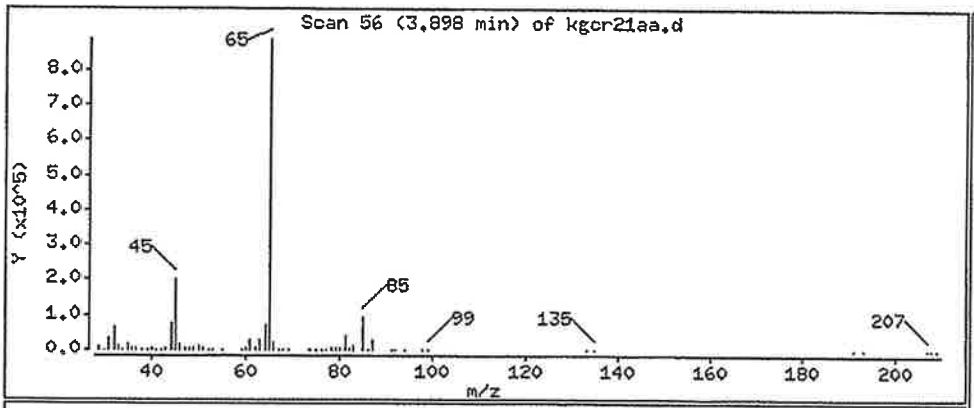
Operator: 7126

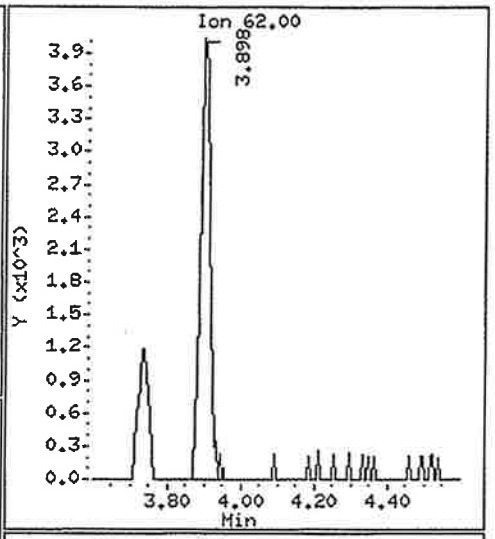
Column phase: HP-5

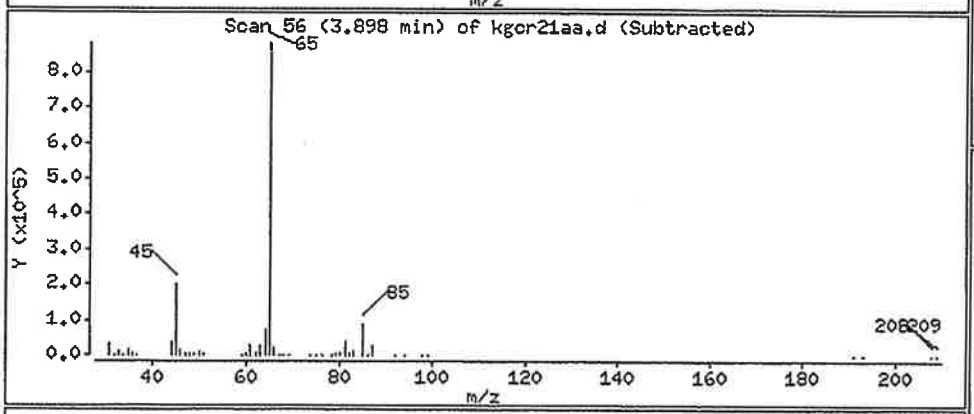
Column diameter: 0.32

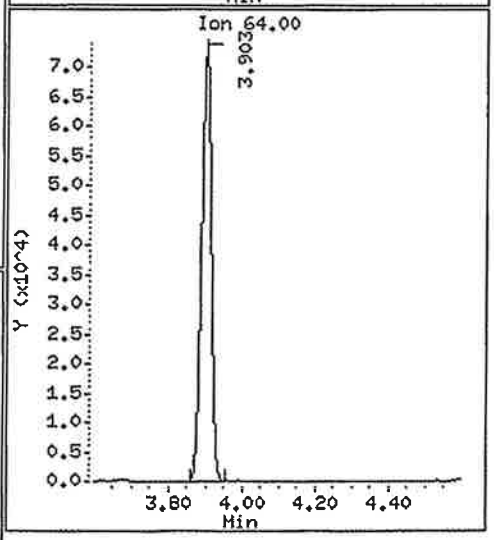
13 Vinyl Chloride

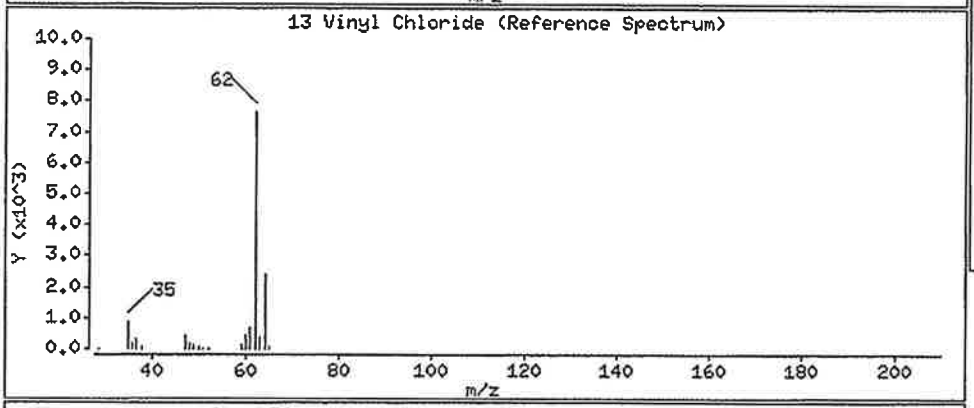
Concentration: 0.1025 ppb(v/v)

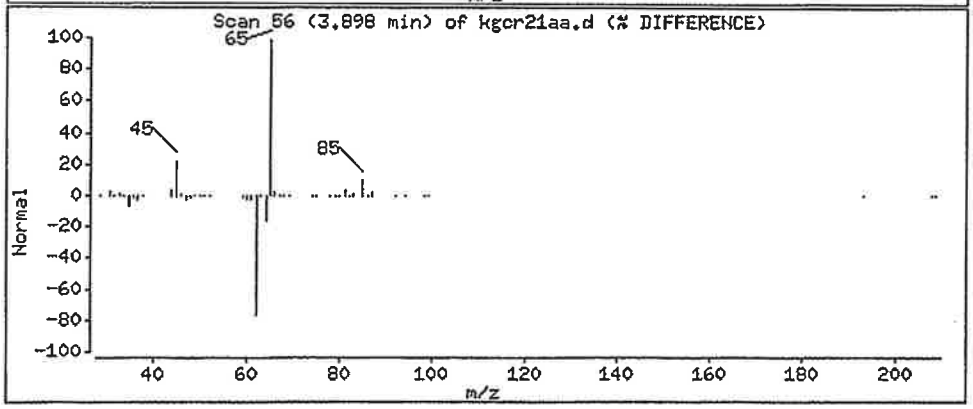












Data File: /var/chem/gcms/me.i/E020108.b/kgcr21aa.d

Date : 01-FEB-2008 13:09

Client ID: BASEMENT

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

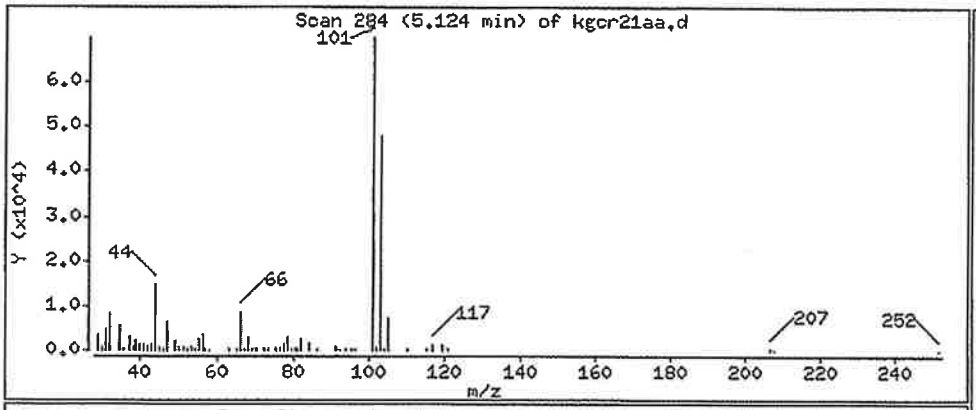
Operator: 7126

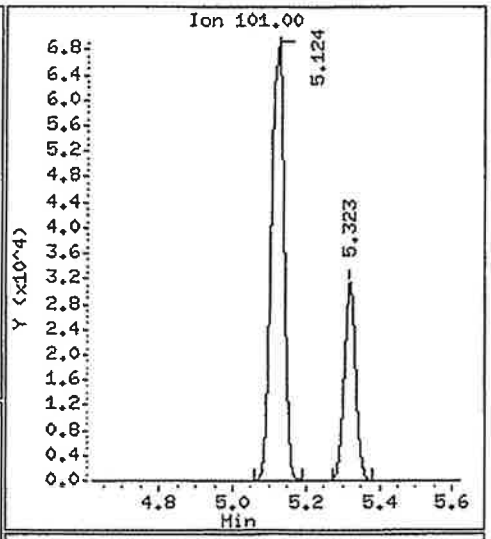
Column phase: HP-5

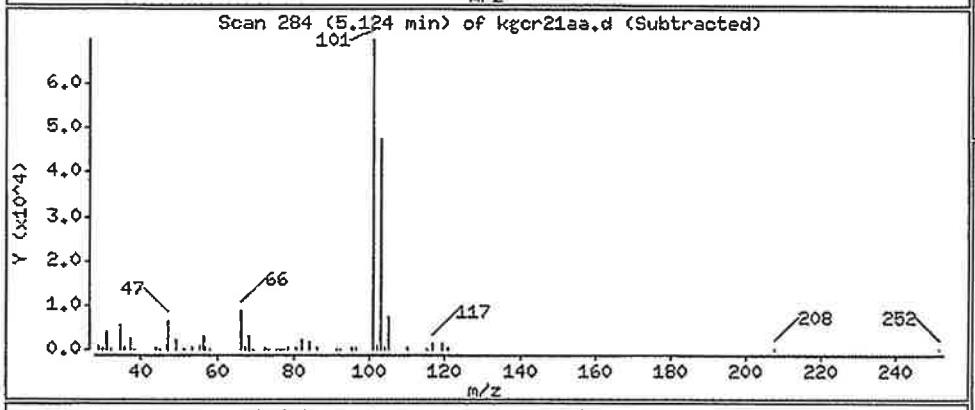
Column diameter: 0.32

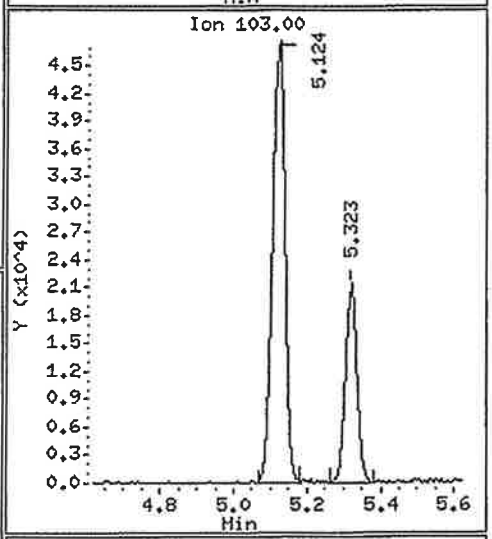
20 Trichlorofluoromethane

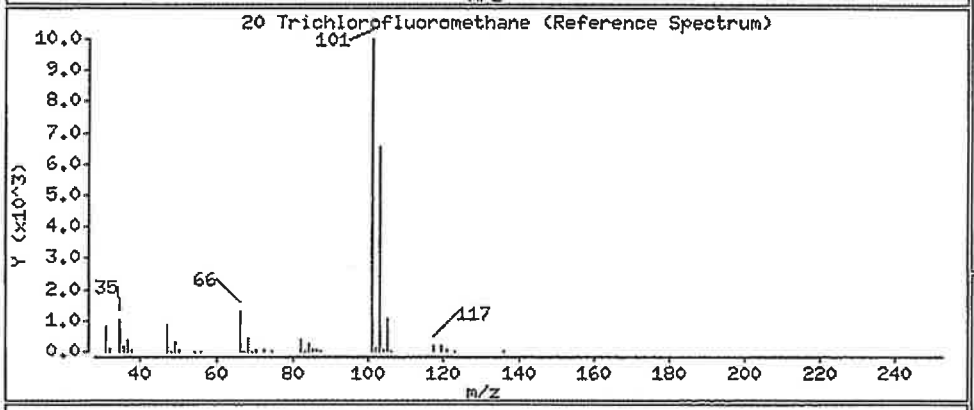
Concentration: 0.6456 ppb(v/v)

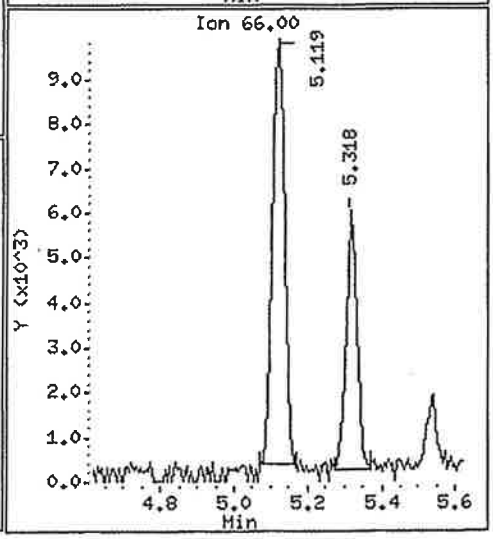


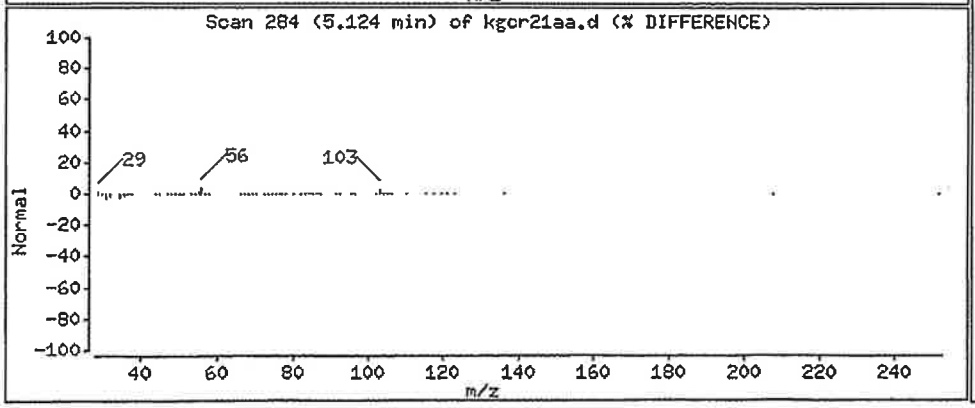












Data File: /var/chem/gcms/me.i/E020108.b/kgcr21aa.d

Date : 01-FEB-2008 13:09

Client ID: BASEMENT

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

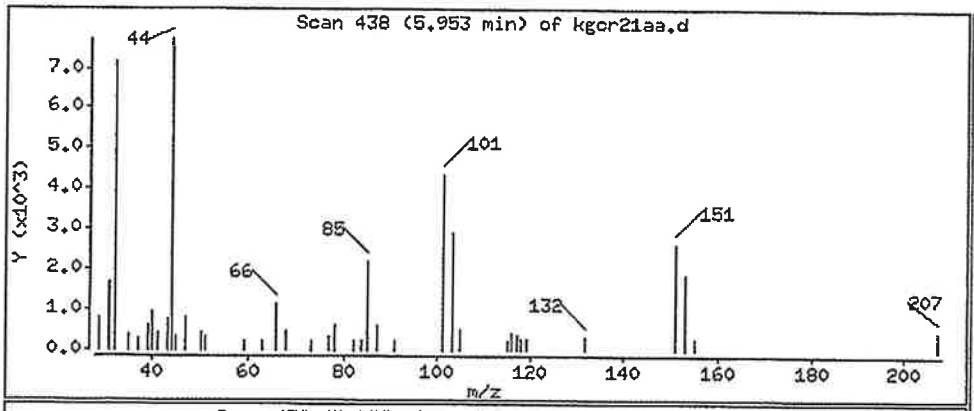
Operator: 7126

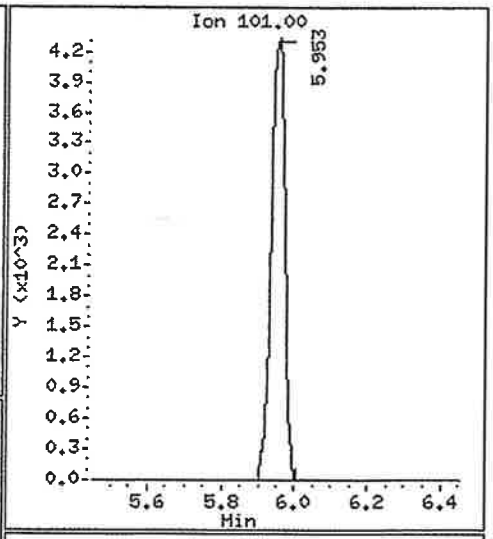
Column phase: HP-5

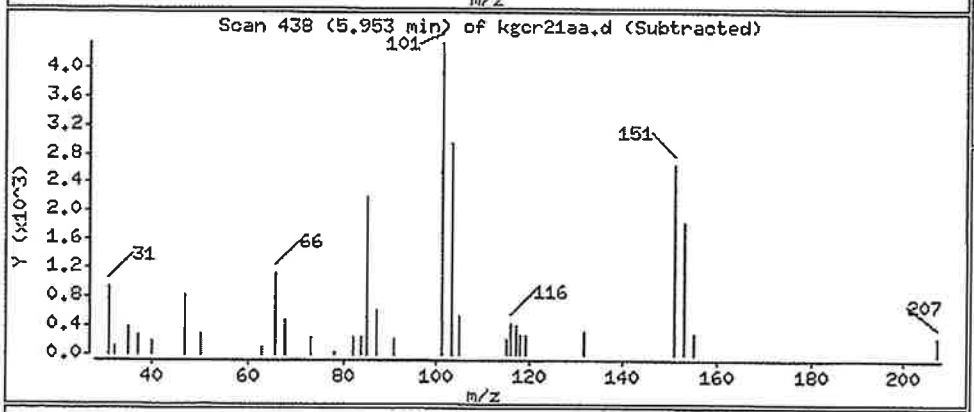
Column diameter: 0.32

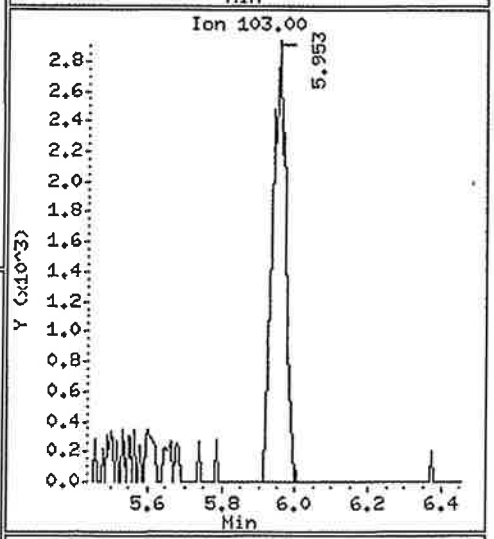
30 1,1,2-Trichlorotrifluoroethane

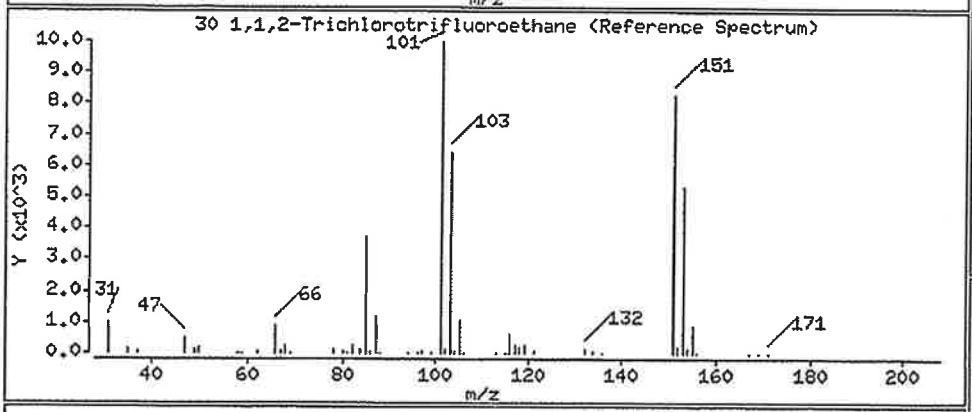
Concentration: 0.08840 ppb(v/v)

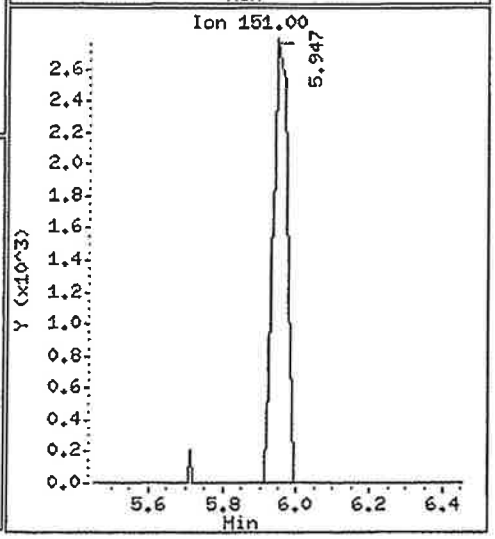


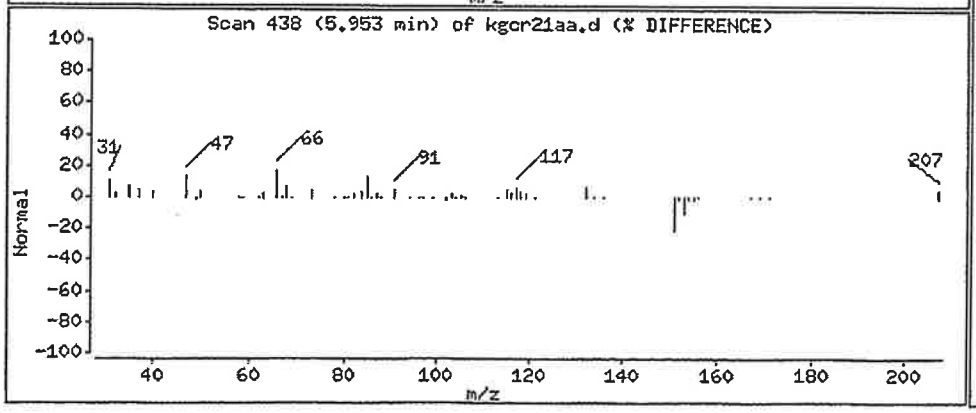












Data File: /var/chem/gcms/me.i/E020108.b/kgcr21aa.d

Date : 01-FEB-2008 13:09

Client ID: BASEMENT

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

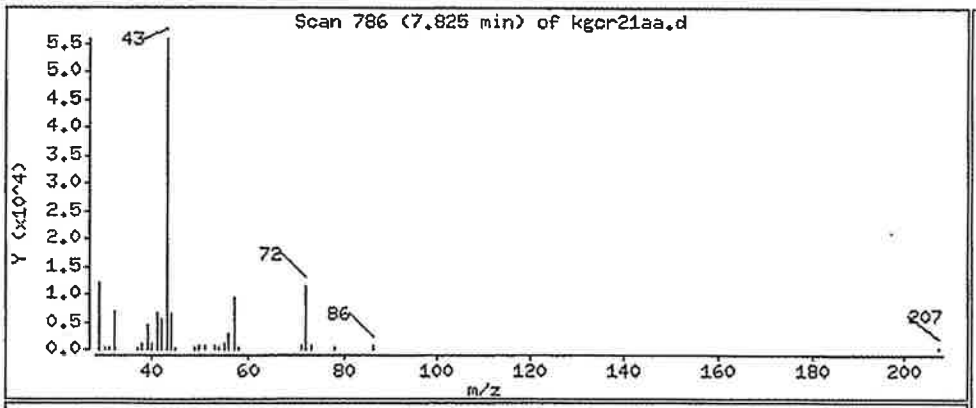
Operator: 7126

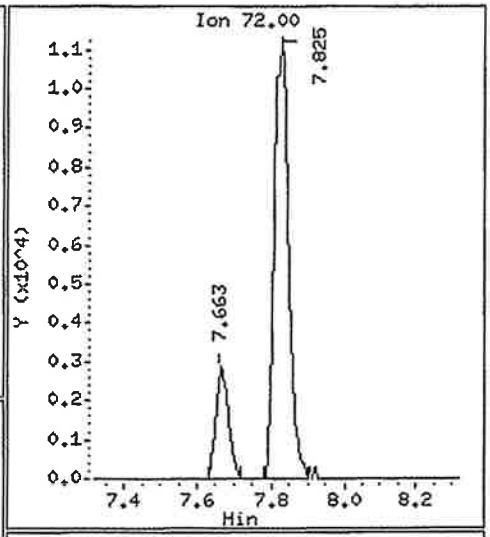
Column phase: HP-5

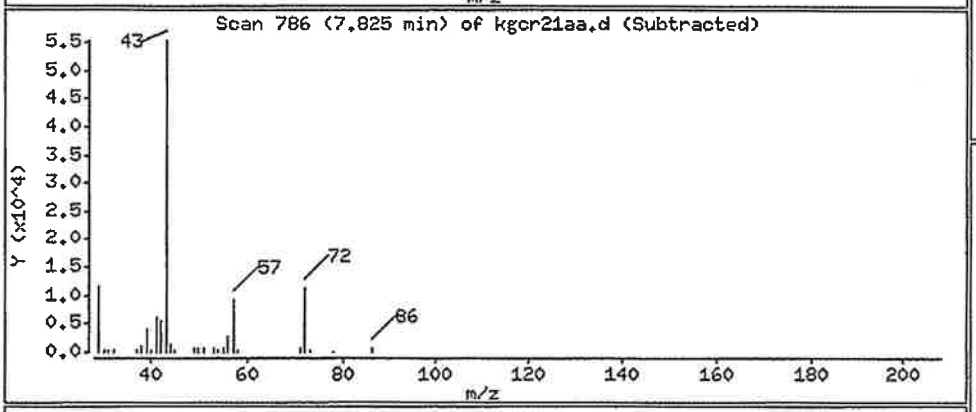
Column diameter: 0.32

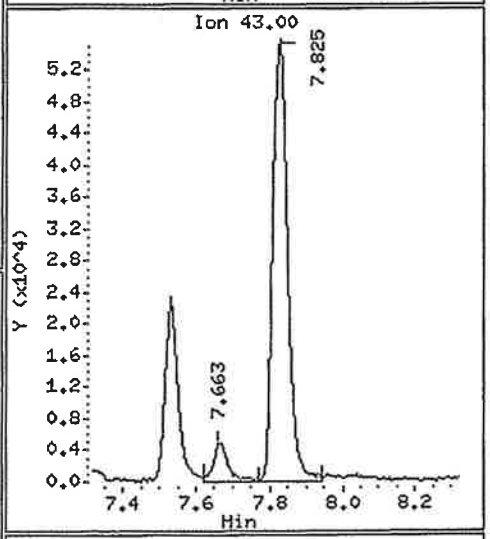
40 2-Butanone

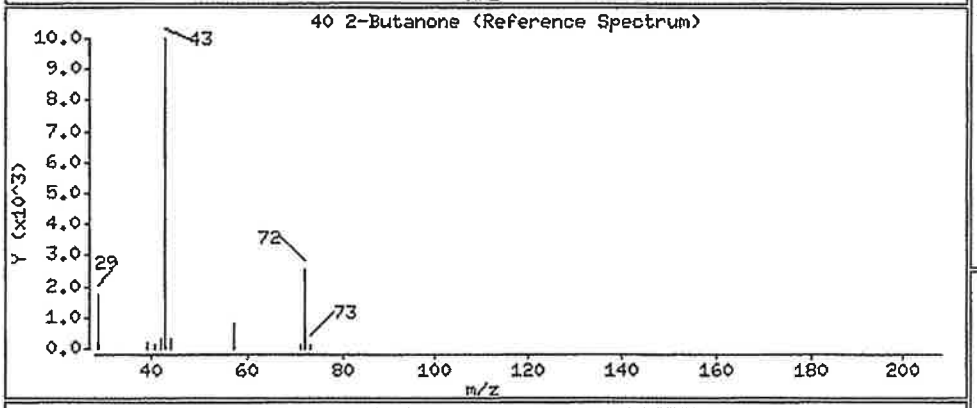
Concentration: 1.152 ppb(v/v)

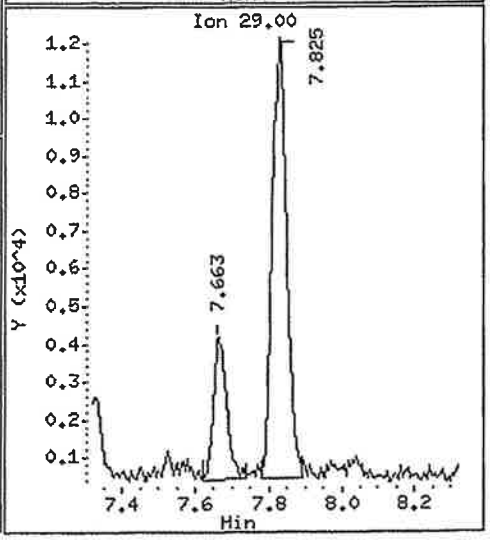


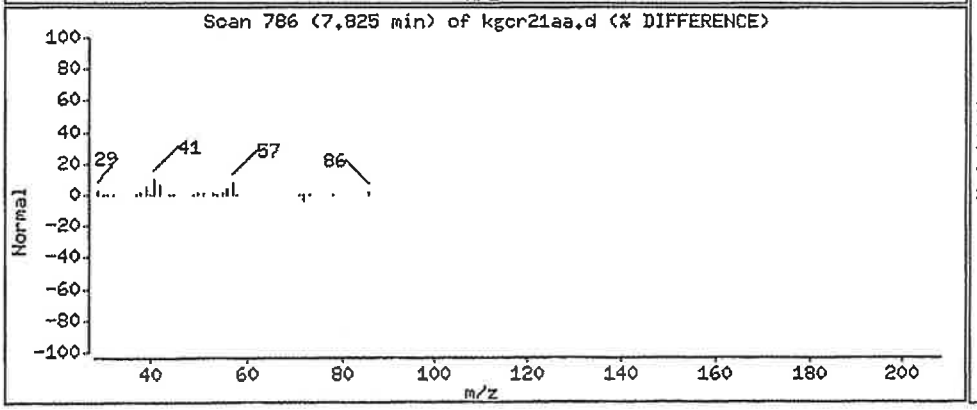












Data File: /var/chem/gcms/me.i/E020108.b/kgcr21aa.d

Date : 01-FEB-2008 13:09

Client ID: BASEMENT

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

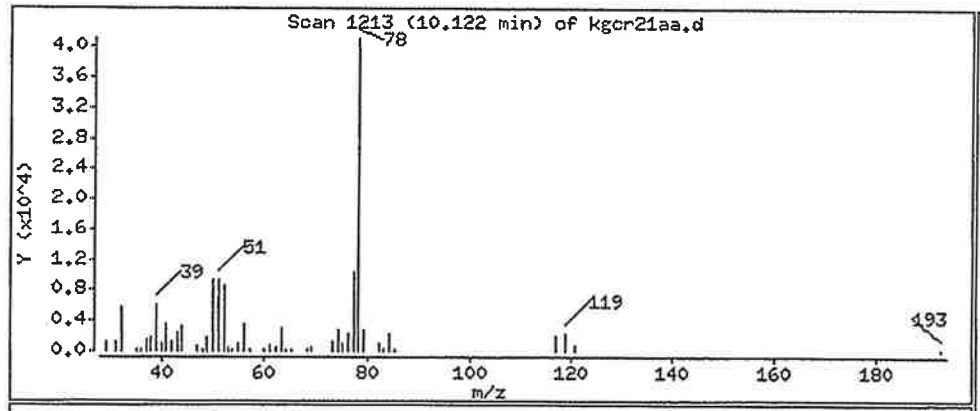
Operator: 7126

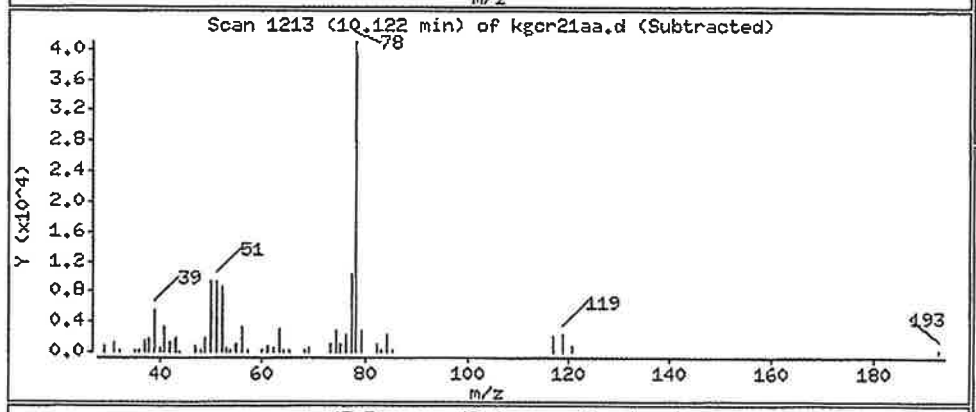
Column phase: HP-5

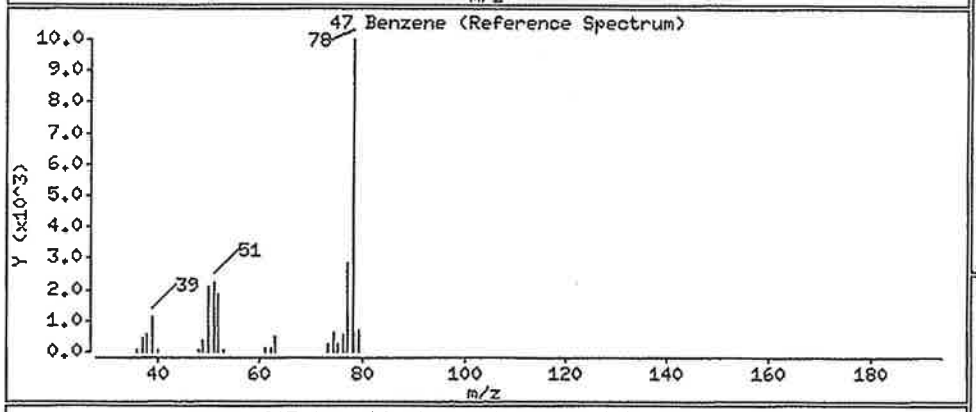
Column diameter: 0.32

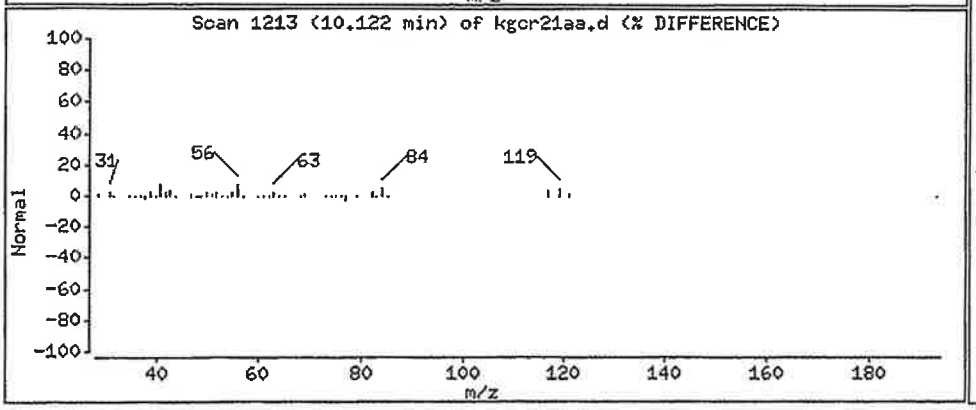
47 Benzene

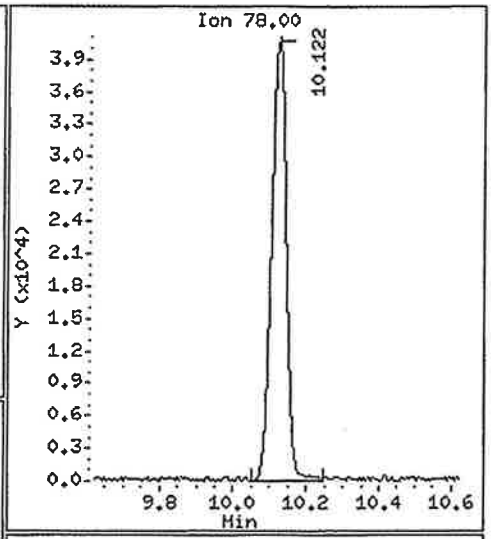
Concentration: 0.5560 ppb(v/v)

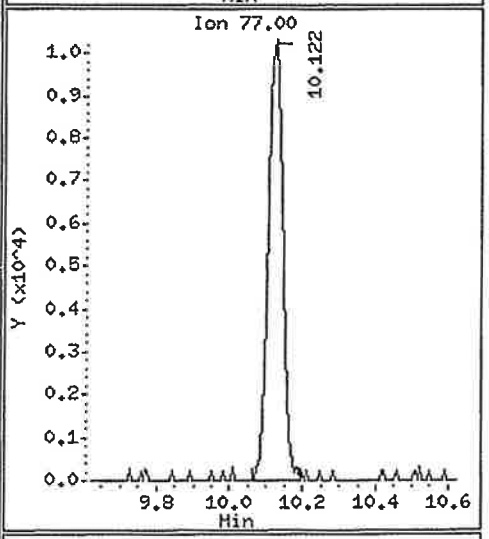


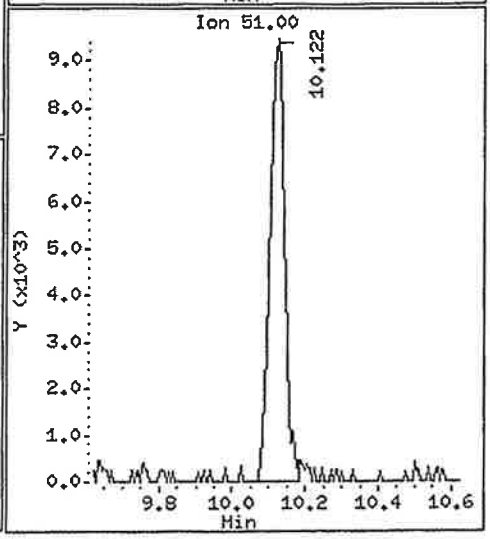












Data File: /var/chem/gcms/me.i/E020108.b/kgcr21aa.d

Date : 01-FEB-2008 13:09

Client ID: BASEMENT

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

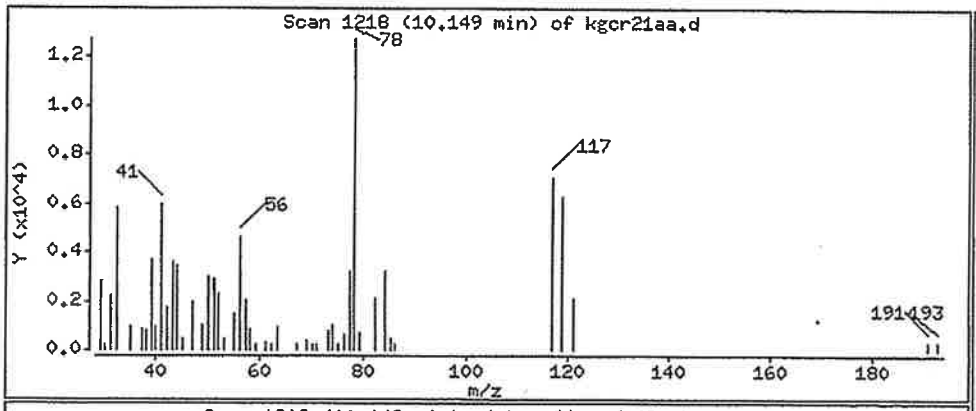
Operator: 7126

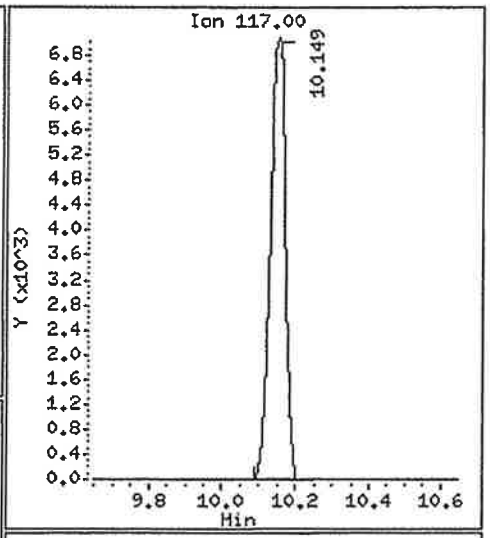
Column phase: HP-5

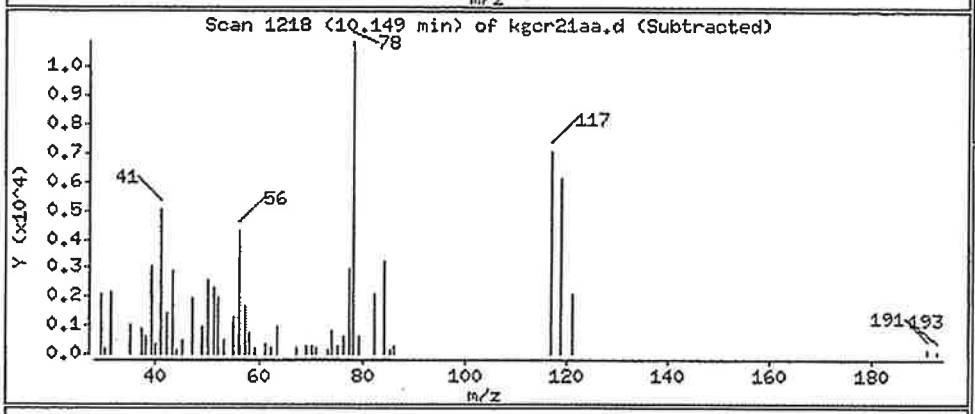
Column diameter: 0.32

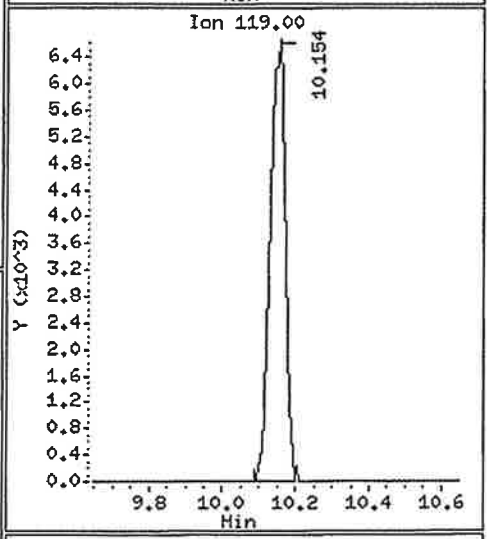
50 Carbon Tetrachloride

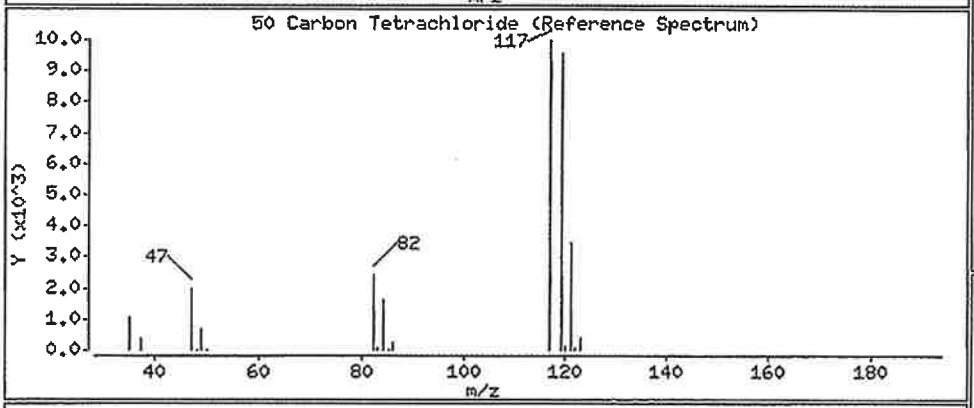
Concentration: 0.09884 ppb(v/v)

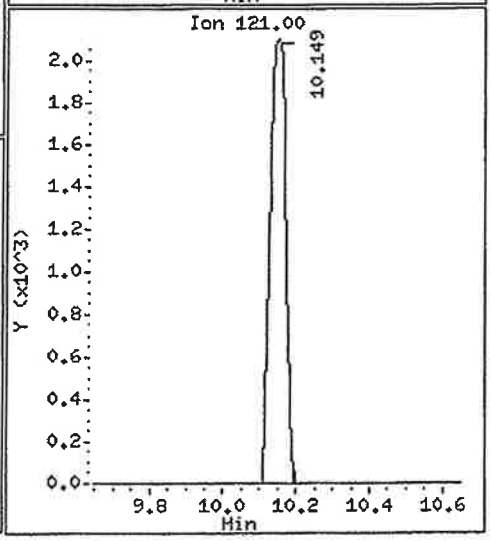


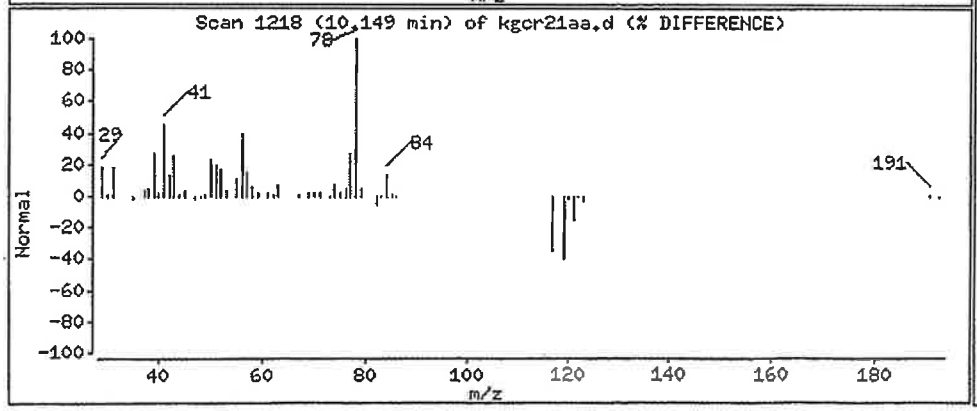












Data File: /var/chem/gcms/me.i/E020108.b/kgcr21aa.d

Date : 01-FEB-2008 13:09

Client ID: BASEMENT

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

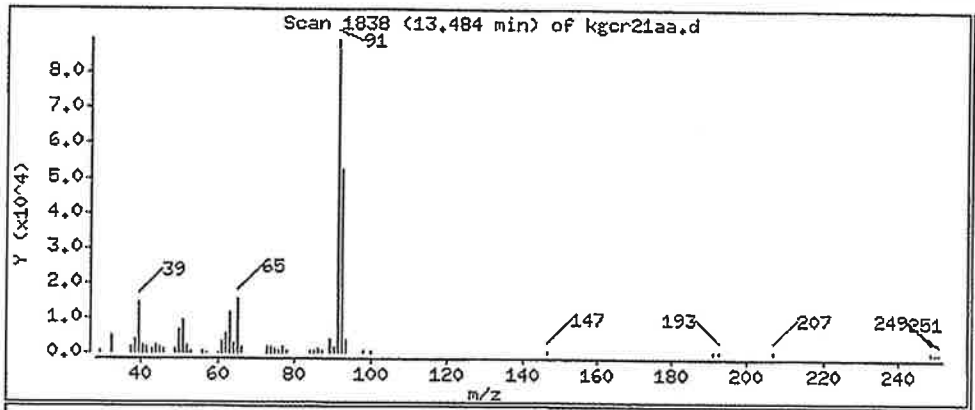
Operator: 7126

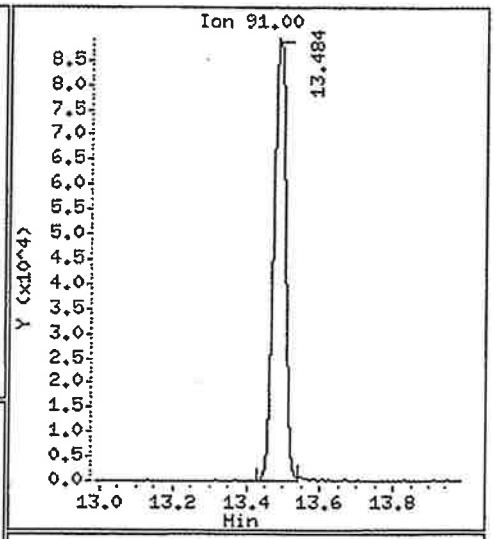
Column phase: HP-5

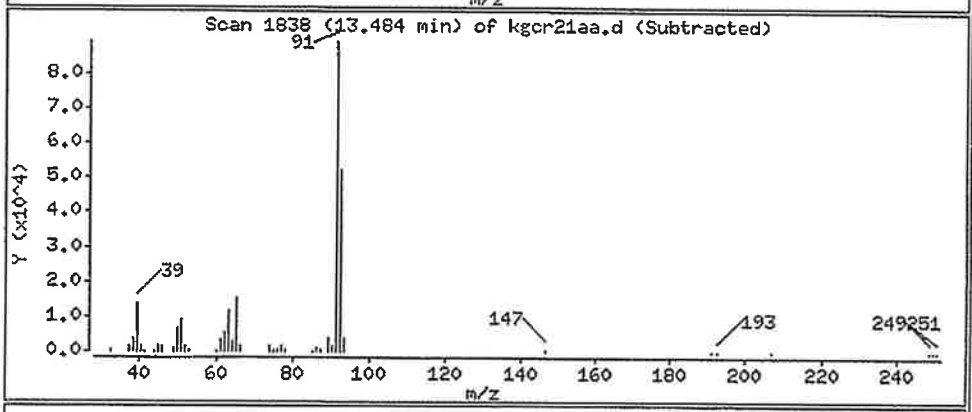
Column diameter: 0.32

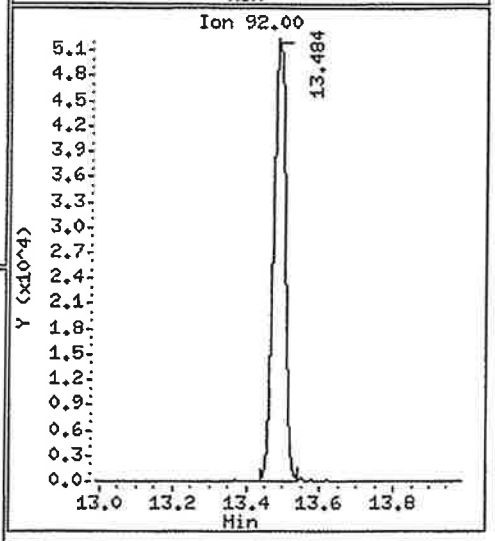
62 Toluene

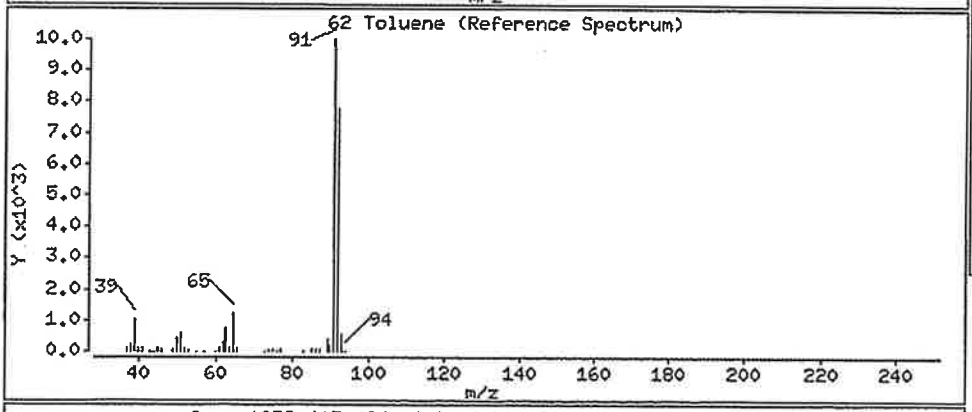
Concentration: 0.9077 ppb(v/v)

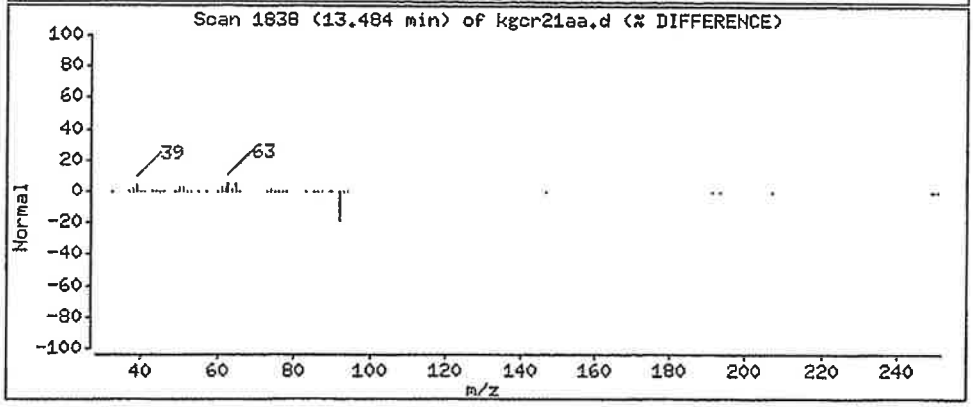












Data File: /var/chem/gcms/me.i/E020108.b/kgcr21aa.d

Date : 01-FEB-2008 13:09

Client ID: BASEMENT

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

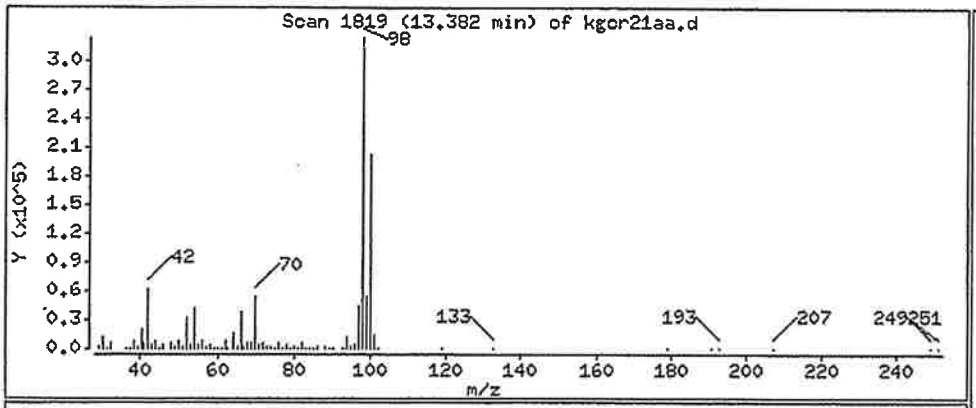
Operator: 7126

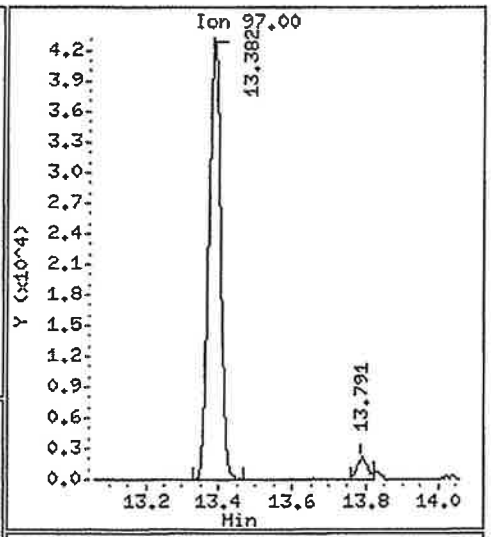
Column phase: HP-5

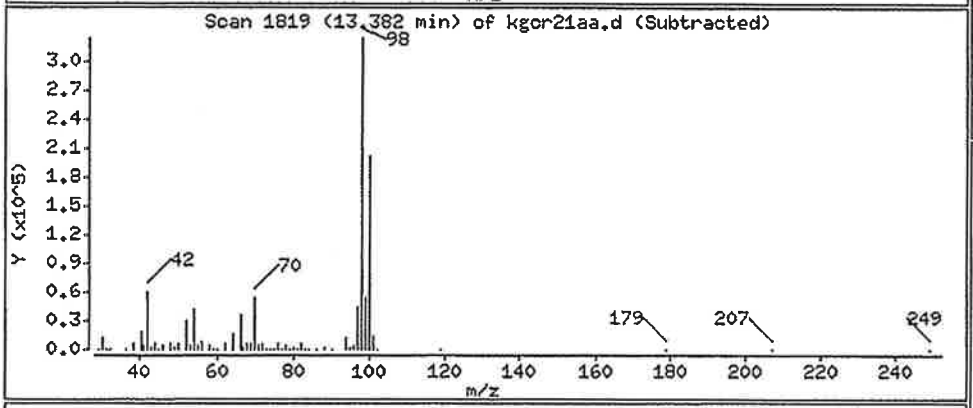
Column diameter: 0.32

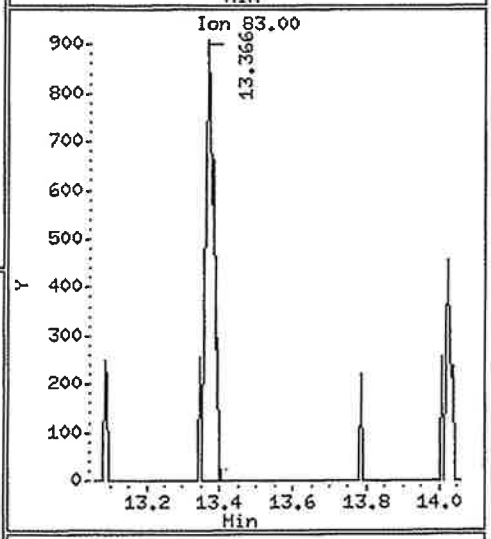
63 1,1,2-Trichloroethane

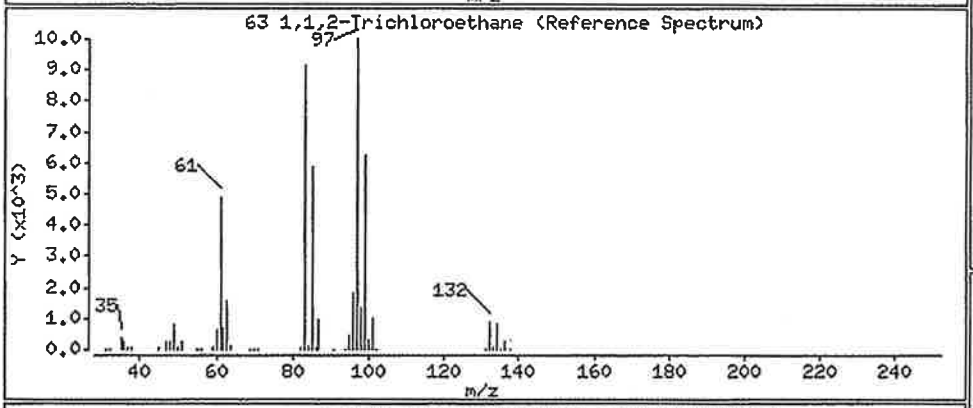
Concentration: 1.744 ppb(v/v)

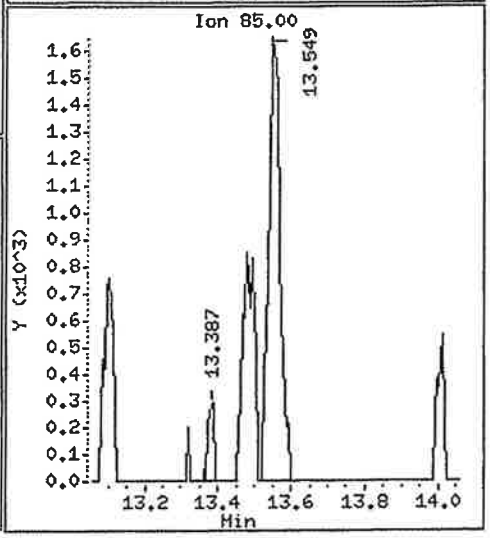


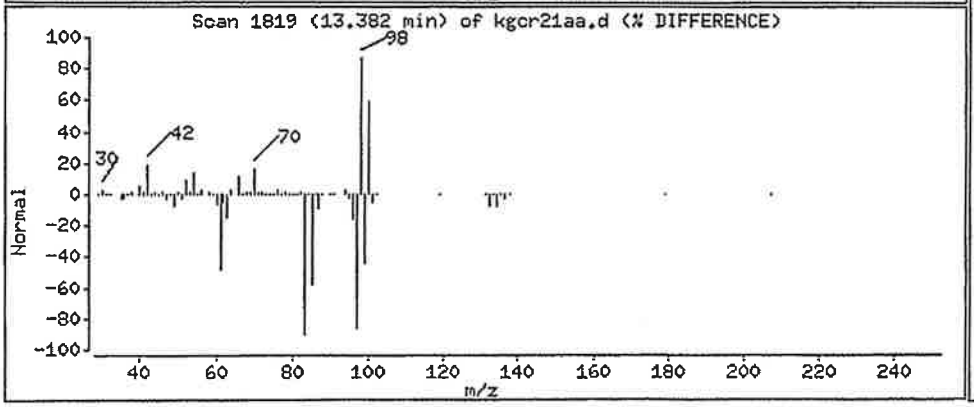












Data File: /var/chem/gcms/me.i/E020108.b/kgcr21aa.d

Date : 01-FEB-2008 13:09

Client ID: BASEMENT

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

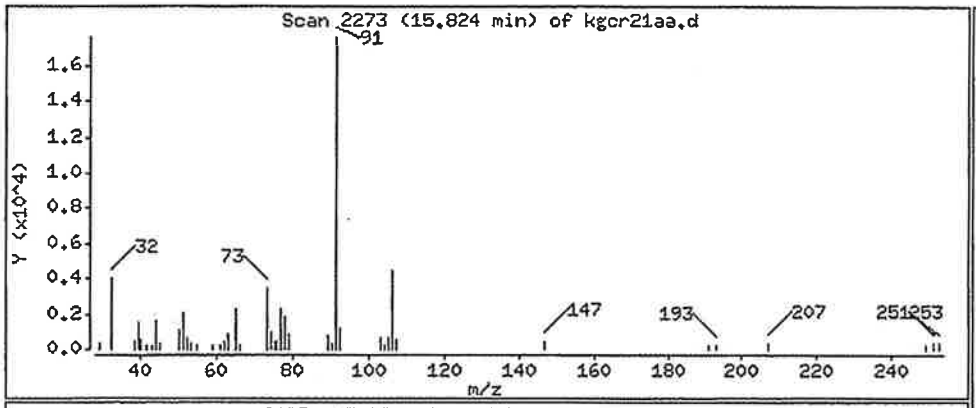
Operator: 7126

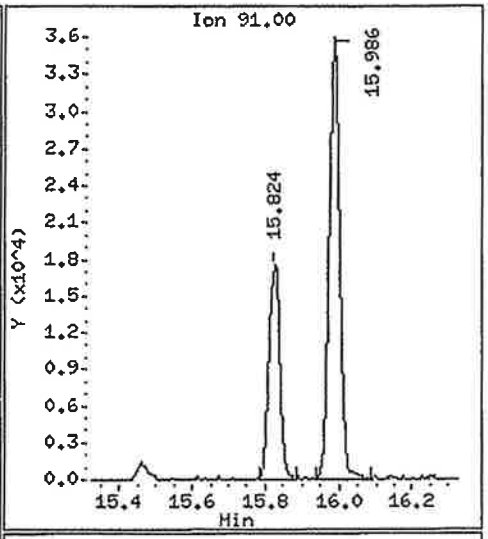
Column phase: HP-5

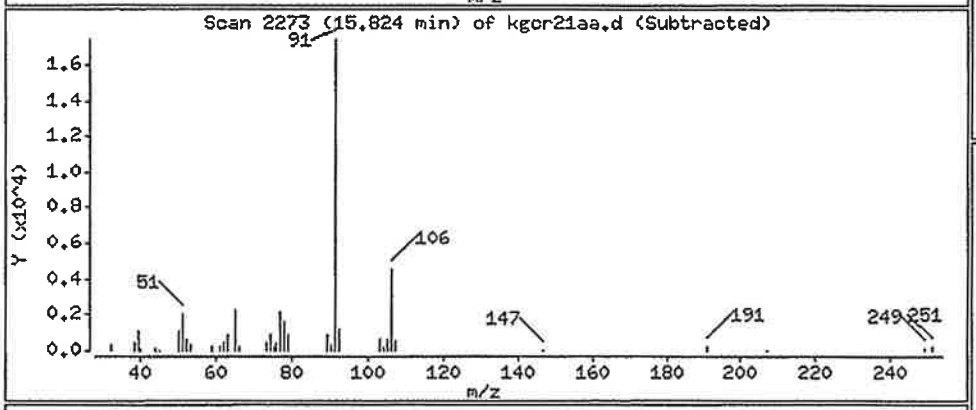
Column diameter: 0.32

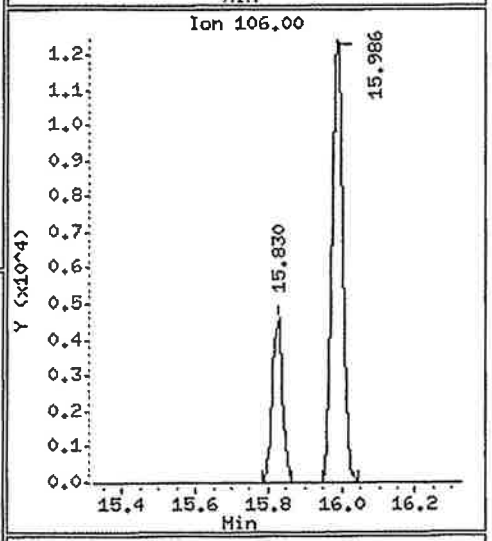
70 Ethylbenzene

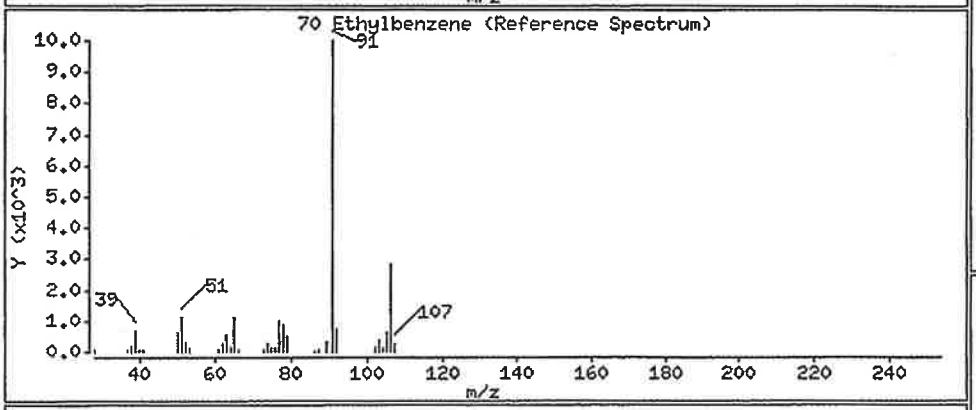
Concentration: 0.1200 ppb(v/v)

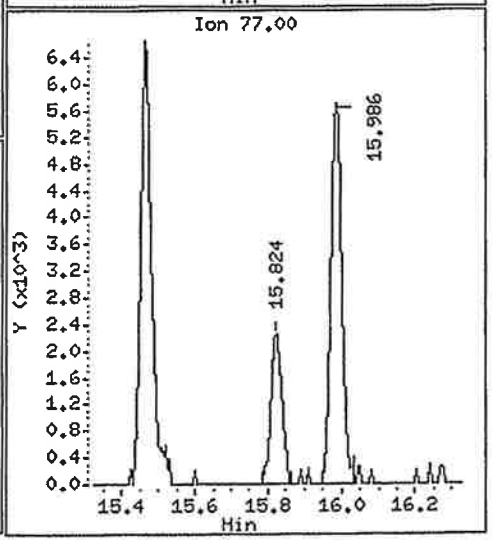


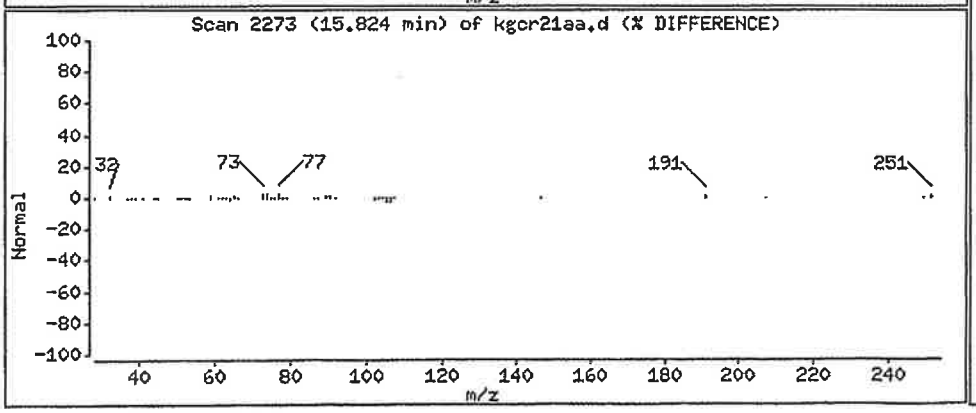












Data File: /var/chem/gcms/me.i/E020108.b/kgcr21aa.d

Date : 01-FEB-2008 13:09

Client ID: BASEMENT

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

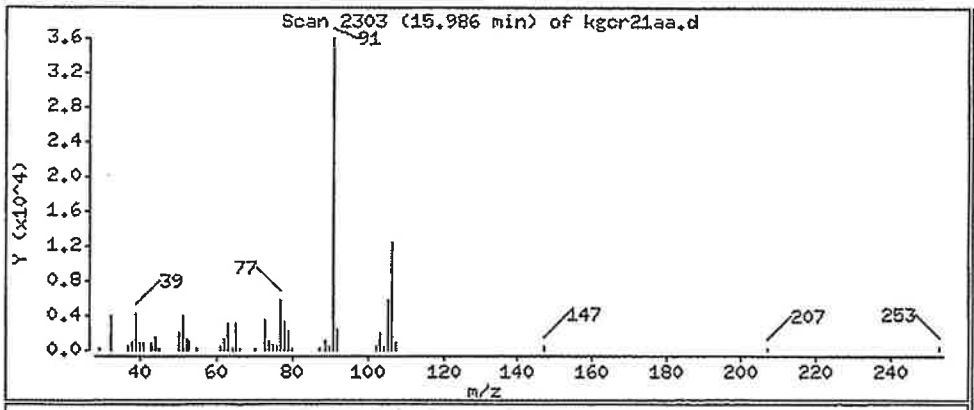
Operator: 7126

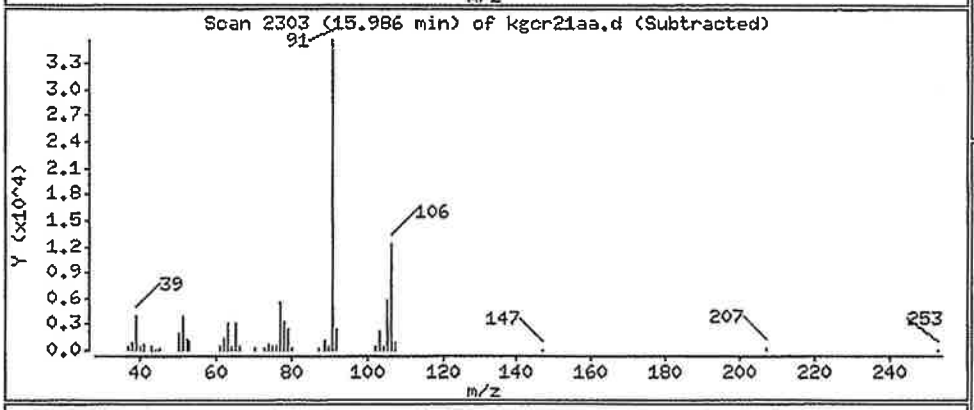
Column phase: HP-5

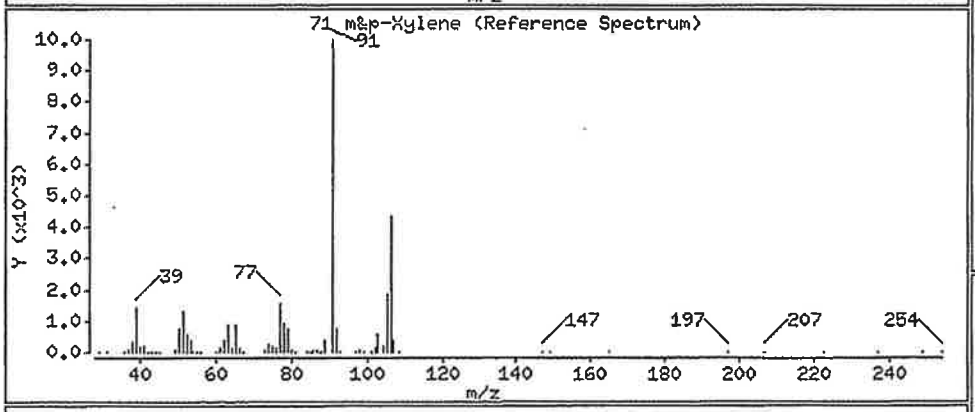
Column diameter: 0.32

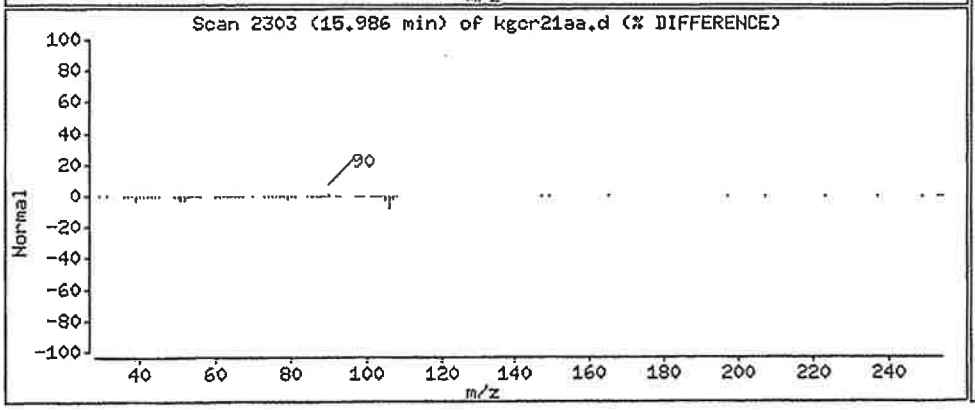
71 m&p-Xylene

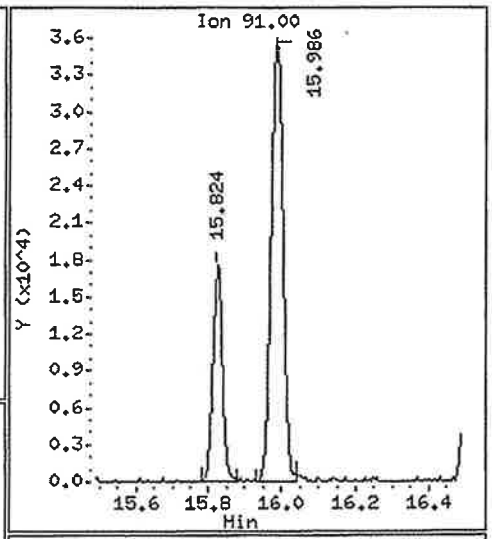
Concentration: 0.3466 ppb(v/v)

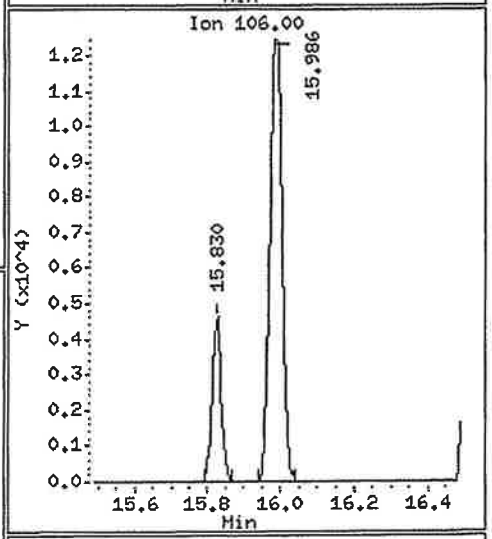


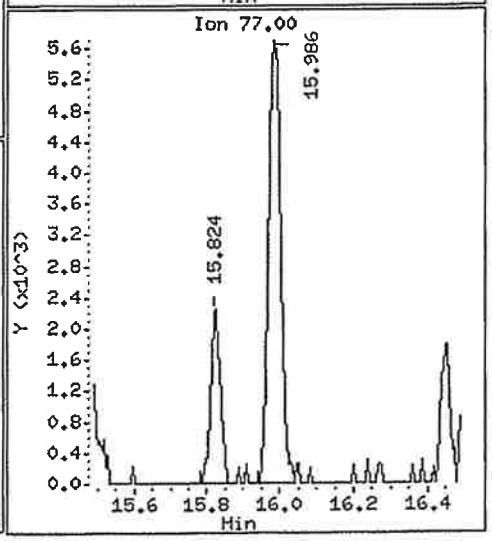












Data File: /var/chem/gcms/me.i/E020108.b/kgcr21aa.d

Date : 01-FEB-2008 13:09

Client ID: BASEMENT

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

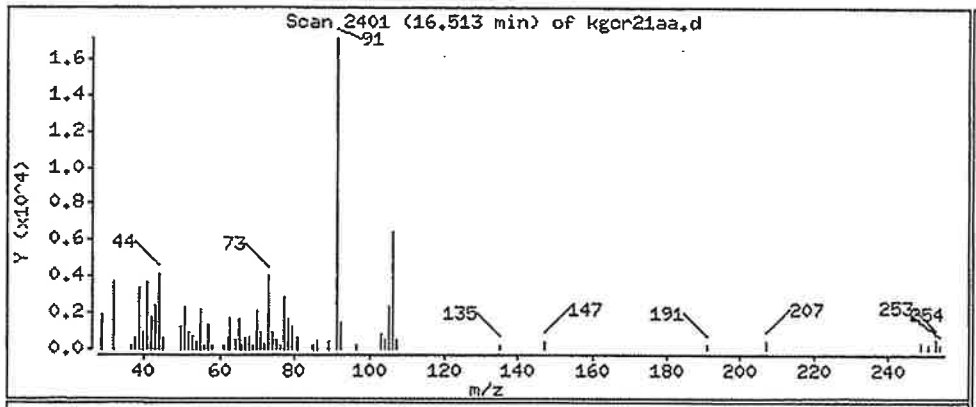
Operator: 7126

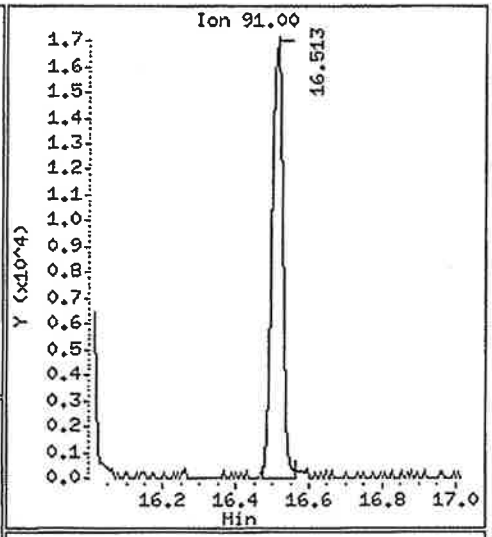
Column phase: HP-5

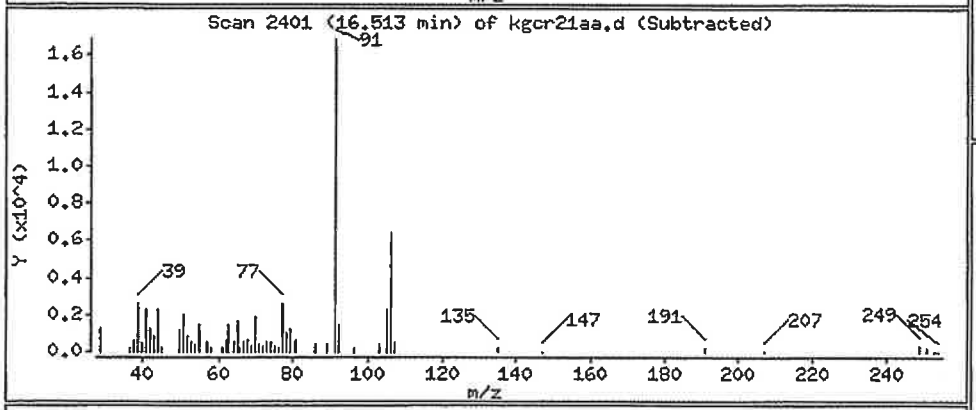
Column diameter: 0.32

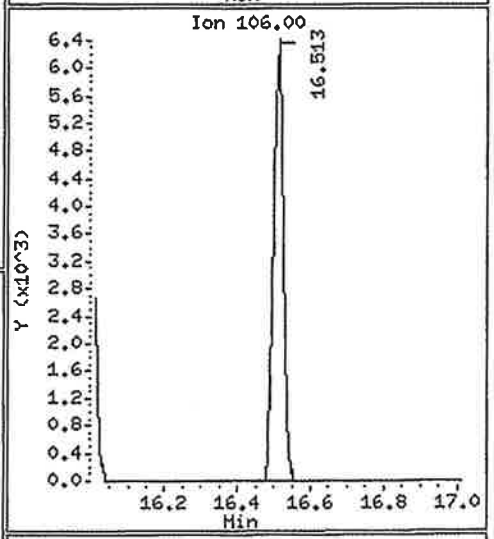
75 o-Xylene

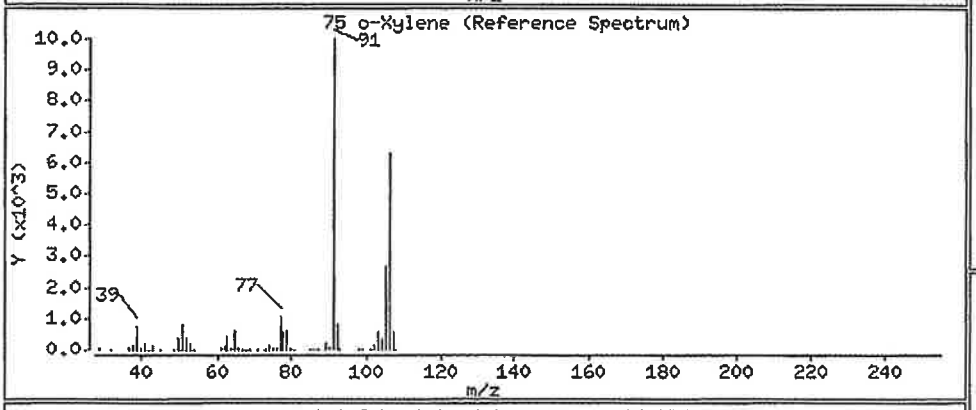
Concentration: 0.1324 ppb(v/v)

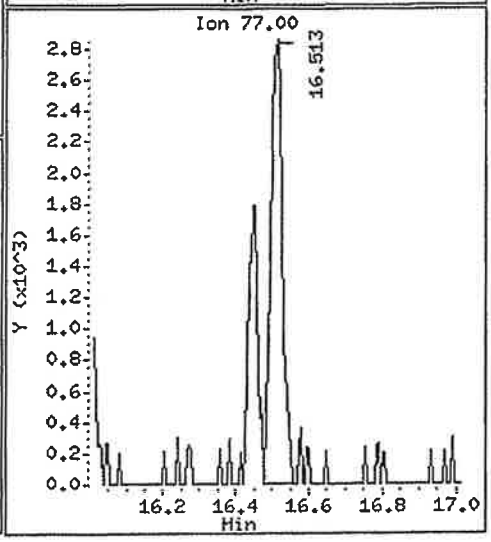


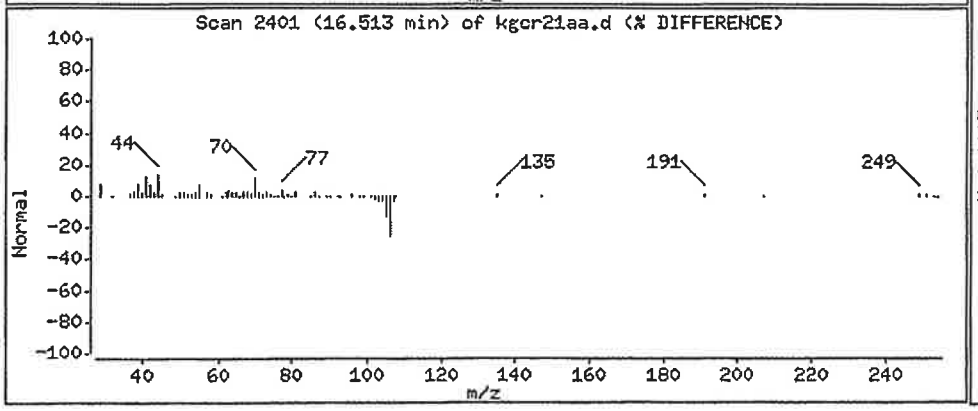












Data File: /var/chem/gcms/me.i/E020108.b/kgcr21aa.d

Date : 01-FEB-2008 13:09

Client ID: BASEMENT

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

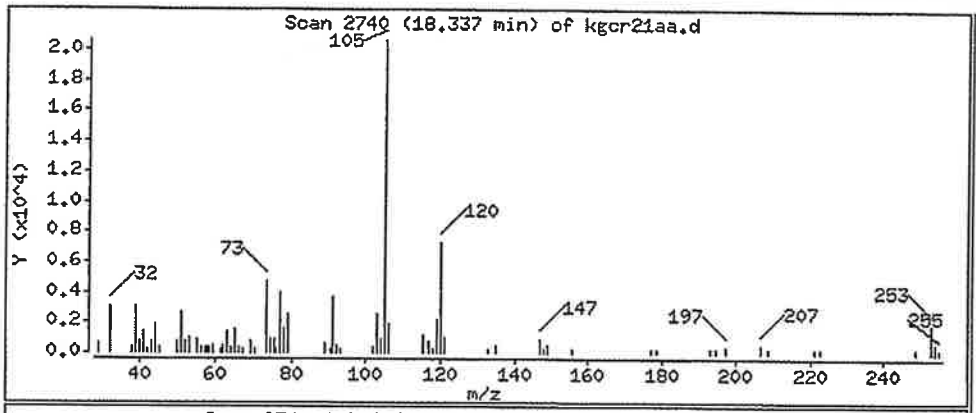
Operator: 7126

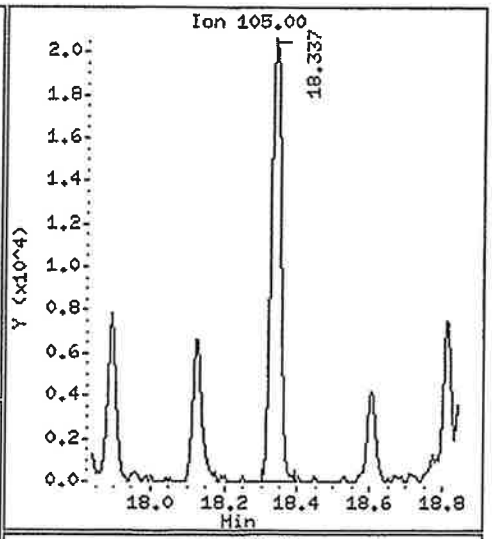
Column phase: HP-5

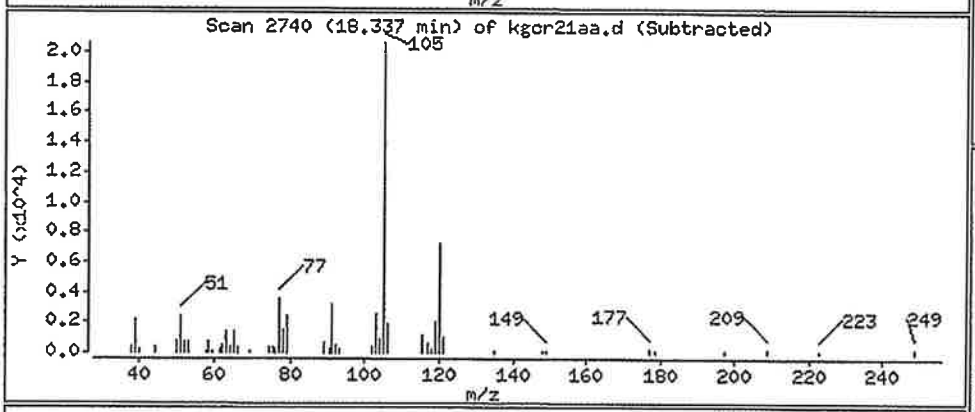
Column diameter: 0.32

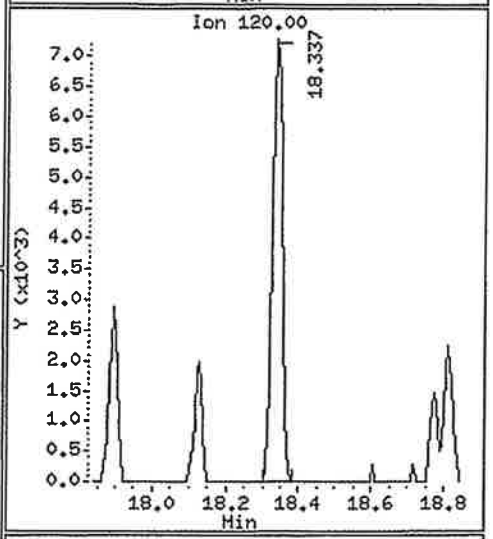
89 1,2,4-Trimethylbenzene

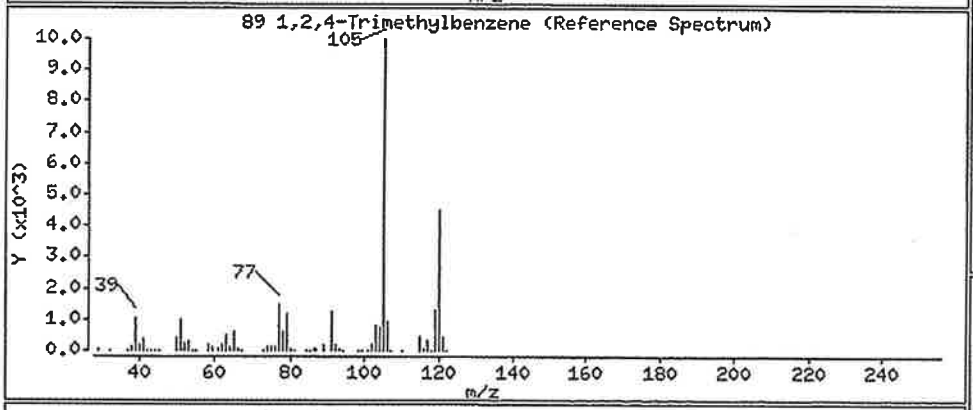
Concentration: 0.1396 ppb(v/v)

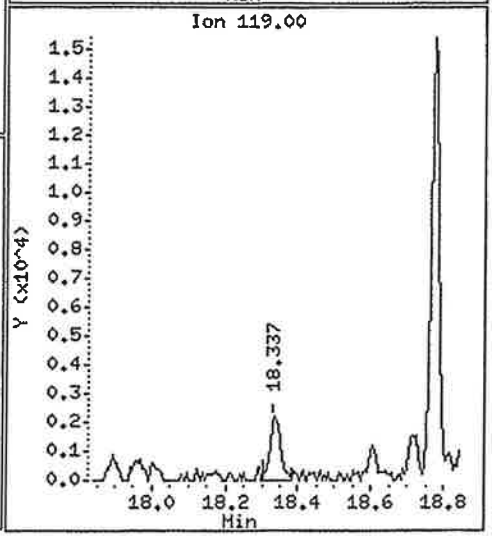


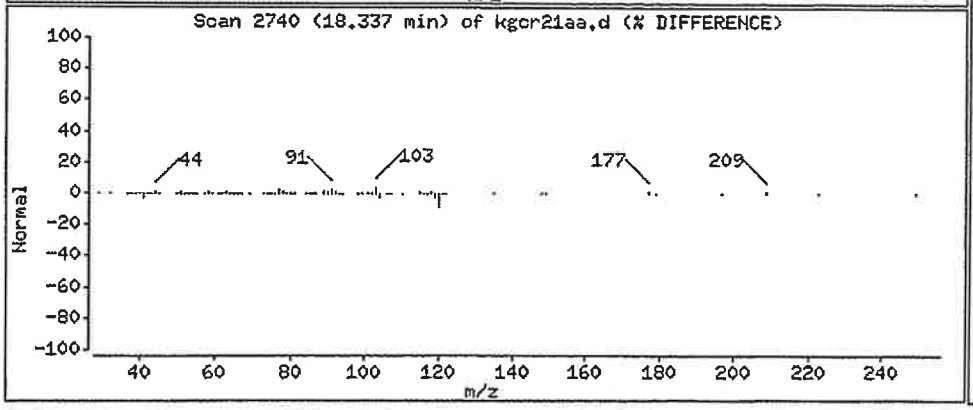












Data File: /var/chem/gcms/me.i/E020108.b/kgcr21aa.d
Report Date: 04-Feb-2008 10:57

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/me.i/E020108.b/kgcr21aa.d
Lab Smp Id: KGCR21AA Client Smp ID: BASEMENT
Inj Date : 01-FEB-2008 13:09
Operator : 7126 Inst ID: me.i
Smp Info : ,,0,,,
Misc Info : E020108,TO155,korkay.sub,,500 ML
Comment :
Method : /var/chem/gcms/me.i/E020108.b/TO155.m
Meth Date : 04-Feb-2008 10:56 layk Quant Type: ISTD
Cal Date : 16-JAN-2008 18:51 Cal File: eica169r.d
Als bottle: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: korkay.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	default calibration
Vo	500.00000	default sample volume

Cpnd Variable Local Compound Variable

	ISTD	RT	HEIGHT	AMOUNT
*	1 Bromochloromethane	8.503	629874	4.000
*	3 Chlorobenzene-d5	15.469	1554170	4.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ppb(v/v))	FINAL(ppb(v/v))	QUAL	LIBRARY	LIB ENTRY	CPND #
Isobutane			CAS #: 75-28-5				
3.968	718957	4.56571949	4.566	72	NIST05.1	231	1
Methyl Alcohol			CAS #: 67-56-1				
4.059	723965	4.59752268	4.598	2	NIST05.1	29	1

N/A

KM 2-4-08

Data File: /var/chem/gcms/me.i/E020108.b/kgcr21aa.d
Report Date: 04-Feb-2008 10:57

RT	HEIGHT	CONCENTRATIONS ON-COL(ppb(v/v))	FINAL(ppb(v/v))	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #	
Butane				CAS #: 106-97-8				
4.177	512789	3.25645447	3.256	64	NIST05.1	226	1	N/A
Ethyl alcohol				CAS #: 64-17-5				
4.672	4625753	29.3757355	29.38	90	NIST05.1	93	1	✓
Butane, 2-methyl-				CAS #: 78-78-4				
4.925	419262	2.66251346	2.662	81	NIST05.1	700	1	N/A
Acetone				CAS #: 67-64-1				
5.237	1425734	9.05409018	9.054	72	NIST05.1	209	1	
1,1-Dichloro-1-fluoroethane				CAS #: 1717-00-6				
5.318	1576202	10.0096337	10.01	38	NIST05.1	7698	1	
1R-.alpha.-Pinene				CAS #: 7785-70-8				
17.347	462433	1.19017353	1.190	96	NIST05.1	15188	3	
Limonene				CAS #: 138-86-3				
18.848	435593	1.12109486	1.121	94	NIST05.1	15154	3	

KMM 2-4-08

Data File: /var/chem/gcms/me.i/E020108.b/kgcr21aa.d

Date : 01-FEB-2008 13:09

Client ID: BASEMENT

Instrument: me.i

Sample Info: ,,0,,,

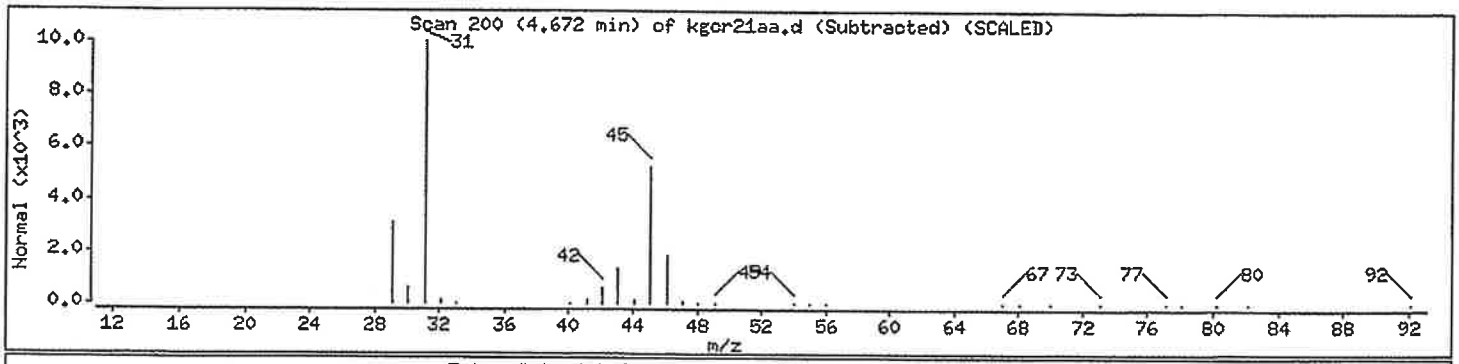
Purge Volume: 500.0

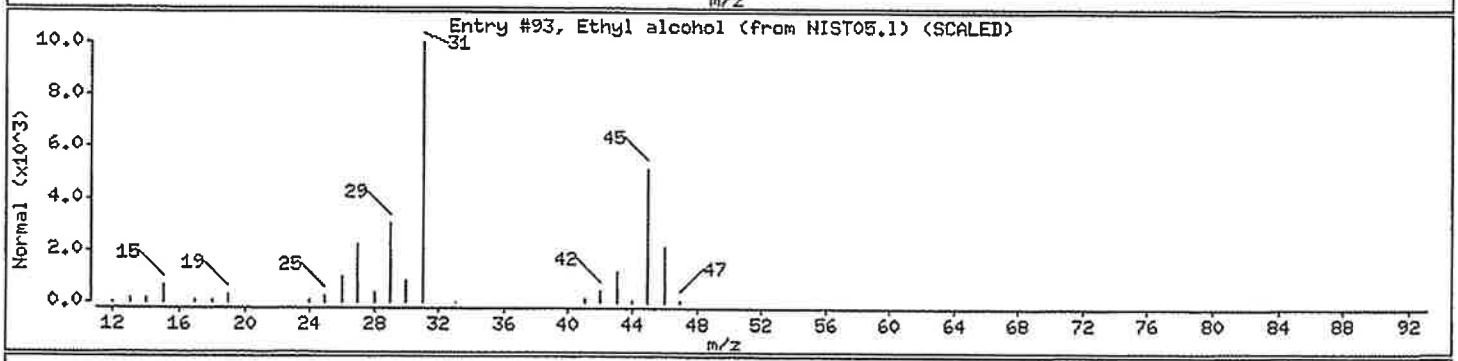
Operator: 7126

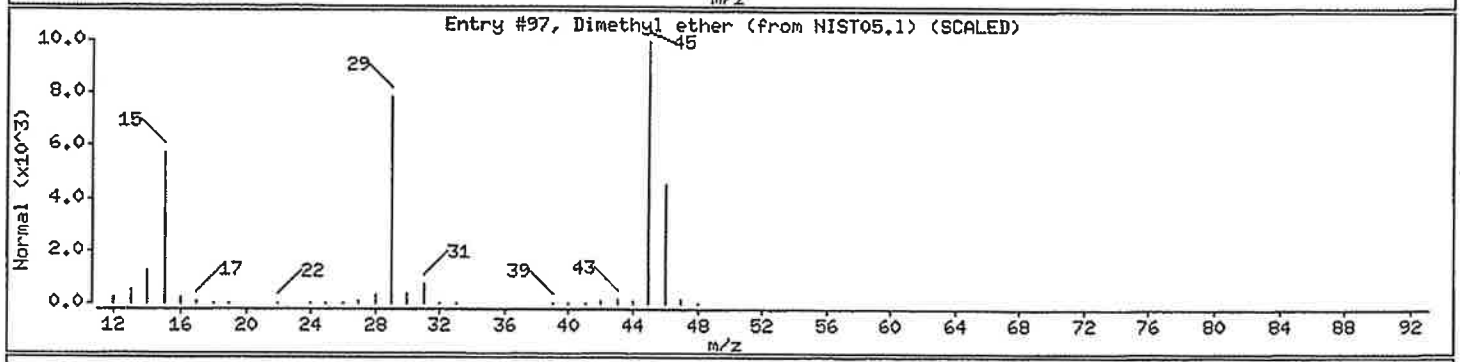
Column phase: HP-5

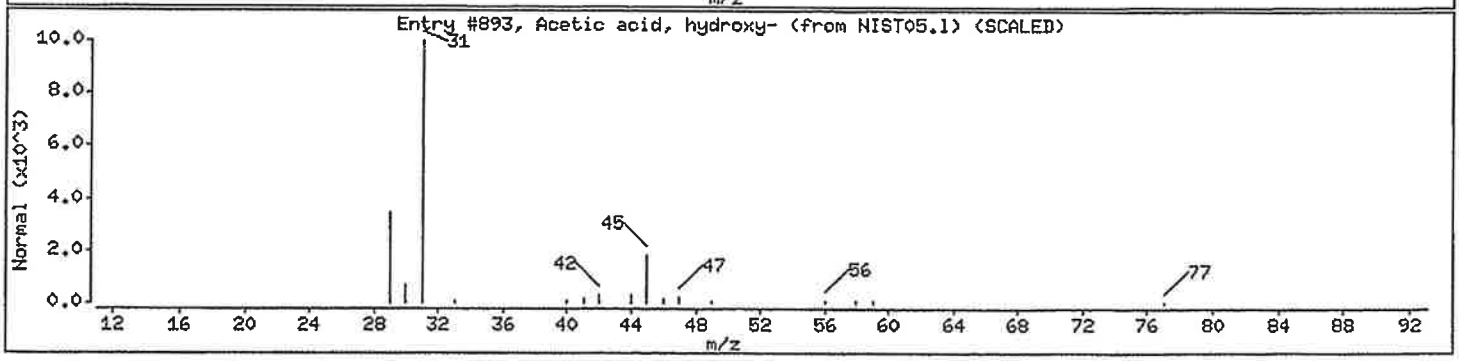
Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyl alcohol	64-17-5	NIST05.1	93	90	C2H6O	46
Dimethyl ether	115-10-6	NIST05.1	97	16	C2H6O	46
Acetic acid, hydroxy-	79-14-1	NIST05.1	893	9	C2H4O3	76









New York State D.E.C.

Client Sample ID: FIRST FLOOR

GC/MS Volatiles

Lot-Sample # H8A310110 - 002 **Work Order #** KGCR41AA **Matrix.....:** AIR

Date Sampled...: 1/30/08 **Date Received..:** 1/31/08
Prep Date.....: 2/1/08 **Analysis Date...** 2/1/08
Prep Batch #.....: 8035067
Dilution Factor.: 1 **Method.....:** TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethylbenzene	**0.22**	**0.080**	**0.96**	**0.35**
Trichlorofluoromethane	**0.75**	**0.080**	**4.2**	**0.45**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**0.22**	**0.20**	**0.79**	**0.70**
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	ND	0.20	ND	0.69
Benzene	**0.94**	**0.080**	**3.0**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Styrene	**0.17**	**0.080**	**0.74**	**0.34**
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	**2.6**	**0.080**	**9.7**	**0.30**
1,2,4-Trichlorobenzene	**0.089**	**0.080**	**0.66**	**0.59**
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	**0.25**	**0.080**	**1.2**	**0.39**
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	**0.24**	**0.080**	**1.0**	**0.35**
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	**0.10**	**0.080**	**0.79**	**0.61**
m-Xylene & p-Xylene	**0.62**	**0.080**	**2.7**	**0.35**
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	**1.7**	**0.16**	**4.9**	**0.47**
4-Methyl-2-pentanone (MIBK)	**0.22**	**0.20**	**0.89**	**0.82**
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.12**	**0.040**	**0.76**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	**0.70**	**0.20**	**1.4**	**0.41**
Cyclohexane	ND	0.20	ND	0.69

New York State D.E.C.

Client Sample ID: FIRST FLOOR

GC/MS Volatiles

Lot-Sample # H8A310110 - 002 **Work Order #** KGCR41AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**0.66**	**0.080**	**3.3**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	160	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	117	70 - 130
Toluene-d8	103	70 - 130
4-Bromofluorobenzene	104	70 - 130

Qualifiers

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d
Report Date: 04-Feb-2008 10:06

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/me.i/E020108.b/kgcr41aa.d
Lab Smp Id: KGCR41AA Client Smp ID: FIRST FLOOR
Inj Date : 01-FEB-2008 13:53
Operator : 7126 Inst ID: me.i
Smp Info : ,,0,,,
Misc Info : E020108,TO155,korkay.sub,,500 ML
Comment :
Method : /var/chem/gcms/me.i/E020108.b/TO155.m
Meth Date : 04-Feb-2008 10:05 layk Quant Type: ISTD
Cal Date : 16-JAN-2008 18:51 Cal File: eica169r.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: korkay.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	default calibration
Vo	500.00000	default sample volume

Cpnd Variable Local Compound Variable

2/04/08

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.508	8.502	(1.000)	135092	4.00000	4.000
* 2 1,4-Difluorobenzene	114	10.698	10.697	(1.000)	666552	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.469	15.469	(1.000)	597330	4.00000	4.000
$ 4 1,2-Dichloroethane-d4	67	9.482	9.482	(0.886)	266641	4.67593	4.676
$ 5 Toluene-d8	98	13.371	13.376	(0.864)	726589	4.11535	4.115
$ 6 4-Bromofluorobenzene	95	17.126	17.126	(1.107)	636644	4.17059	4.170
9 Dichlorodifluoromethane	85	3.774	3.774	(0.444)	146350	0.65734	0.6573
10 Chloromethane	52	3.941	3.935	(0.463)	9225	0.47898	~~0.4790~~ see revised
13 Vinyl Chloride	62	3.903	4.097	(0.459)	5930	0.09267	0.09267
20 Trichlorofluoromethane	101	5.124	5.119	(0.602)	154431	0.74581	0.7458
30 1,1,2-Trichlorotrifluoroethane	101	5.953	5.953	(0.700)	10280	0.10307	0.1031
39 Hexane	56	7.846	7.841	(0.922)	12033	0.22472	0.2247
40 2-Butanone	72	7.825	7.819	(0.920)	36134	1.66532	1.665
47 Benzene	78	10.122	10.122	(0.946)	150145	0.93861	0.9386
50 Carbon Tetrachloride	117	10.149	10.149	(0.949)	18927	0.12084	0.1208
59 4-Methyl-2-pentanone	43	12.650	12.645	(1.183)	23804	0.21632	0.2163

KM 2-4-08

Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d
Report Date: 04-Feb-2008 10:06

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
62	Toluene	91	13.484	13.489	(0.872)	445134	2.56899	2.569
63	1,1,2-Trichloroethane	97	13.387	13.559	(0.865)	82347	1.65919	~~1.659~~
70	Ethylbenzene	91	15.824	15.824	(1.023)	52799	0.22199	0.2220
71	m&p-Xylene	91	15.986	15.991	(1.033)	111298	0.61879	0.6188
74	Styrene	104	16.454	16.448	(1.064)	20802	0.17466	0.1747
75	o-Xylene	91	16.513	16.513	(1.067)	48085	0.23509	0.2351
84	1,3,5-Trimethylbenzene	120	17.788	17.901	(1.150)	9562	0.11204	~~0.2120~~
89	1,2,4-Trimethylbenzene	105	18.337	18.342	(1.185)	52364	0.25091	0.2509
92	Benzyl Chloride	91	18.605	18.675	(1.203)	29215	0.16095	~~0.2609~~
102	1,2,4-Trichlorobenzene	180	20.768	20.768	(1.343)	7147	0.08917	0.08917

2-4-08

Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d
Report Date: 04-Feb-2008 16:57

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/me.i/E020108.b/kgcr41aa.d
Lab Smp Id: KGCR41AA Client Smp ID: FIRST FLOOR
Inj Date : 01-FEB-2008 13:53
Operator : 7126 Inst ID: me.i
Smp Info : ,,0,,,
Misc Info : E020108,TO155,korkay.sub,,500 ML
Comment :
Method : /var/chem/gcms/me.i/E020108.b/TO155.m
Meth Date : 04-Feb-2008 11:27 layk Quant Type: ISTD
Cal Date : 16-JAN-2008 18:51 Cal File: eica169r.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: korkay.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	default calibration
Vo	500.00000	default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.508	8.502	(1.000)	135092	4.00000	4.000
* 2 1,4-Difluorobenzene	114	10.698	10.697	(1.000)	666552	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.469	15.469	(1.000)	597330	4.00000	4.000
$ 4 1,2-Dichloroethane-d4	67	9.482	9.482	(0.886)	266641	4.67592	4.676
$ 5 Toluene-d8	98	13.371	13.376	(0.864)	726589	4.11536	4.115
$ 6 4-Bromofluorobenzene	95	17.126	17.126	(1.107)	636644	4.17059	4.170
9 Dichlorodifluoromethane	85	3.774	3.774	(0.444)	146350	0.65734	0.6573
10 Chloromethane	52	3.941	3.935	(0.463)	13437	0.69767	0.6977(M)
20 Trichlorofluoromethane	101	5.124	5.119	(0.602)	154431	0.74582	0.7458
30 1,1,2-Trichlorotrifluoroethane	101	5.953	5.953	(0.700)	10280	0.10307	0.1031
39 Hexane	56	7.846	7.841	(0.922)	12033	0.22471	0.2247
40 2-Butanone	72	7.825	7.819	(0.920)	36134	1.66531	1.665
47 Benzene	78	10.122	10.122	(0.946)	150145	0.93861	0.9386
50 Carbon Tetrachloride	117	10.149	10.149	(0.949)	18927	0.12084	0.1208
59 4-Methyl-2-pentanone	43	12.650	12.645	(1.183)	23804	0.21632	0.2163
62 Toluene	91	13.484	13.489	(0.872)	445134	2.56899	2.569

Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d
Report Date: 04-Feb-2008 16:57

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
70	Ethylbenzene	91	15.824	15.824	(1.023)	52799	0.22199	0.2220
71	m&p-Xylene	91	15.986	15.991	(1.033)	111298	0.61879	0.6188
74	Styrene	104	16.454	16.448	(1.064)	20802	0.17466	0.1746
75	o-Xylene	91	16.513	16.513	(1.067)	48085	0.23509	0.2351
89	1,2,4-Trimethylbenzene	105	18.337	18.342	(1.185)	52364	0.25090	0.2509
102	1,2,4-Trichlorobenzene	180	20.768	20.768	(1.343)	7147	0.08916	0.08916

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d
Report Date: 04-Feb-2008 10:06

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: me.i
Lab File ID: kgcr41aa.d
Lab Smp Id: KGCR41AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/me.i/E020108.b/TO155.m
Misc Info: E020108,TO155,korkay.sub,,500 ML

Calibration Date: 01-FEB-2008
Calibration Time: 10:26
Client Smp ID: FIRST FLOOR
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	131818	78432	185204	135092	2.48
2 1,4-Difluorobenze	639780	380669	898891	666552	4.18
3 Chlorobenzene-d5	594036	353451	834621	597330	0.55

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.50	8.17	8.83	8.51	0.07
2 1,4-Difluorobenze	10.70	10.37	11.03	10.70	0.00
3 Chlorobenzene-d5	15.47	15.14	15.80	15.47	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d
Report Date: 04-Feb-2008 10:06

TestAmerica Knoxville

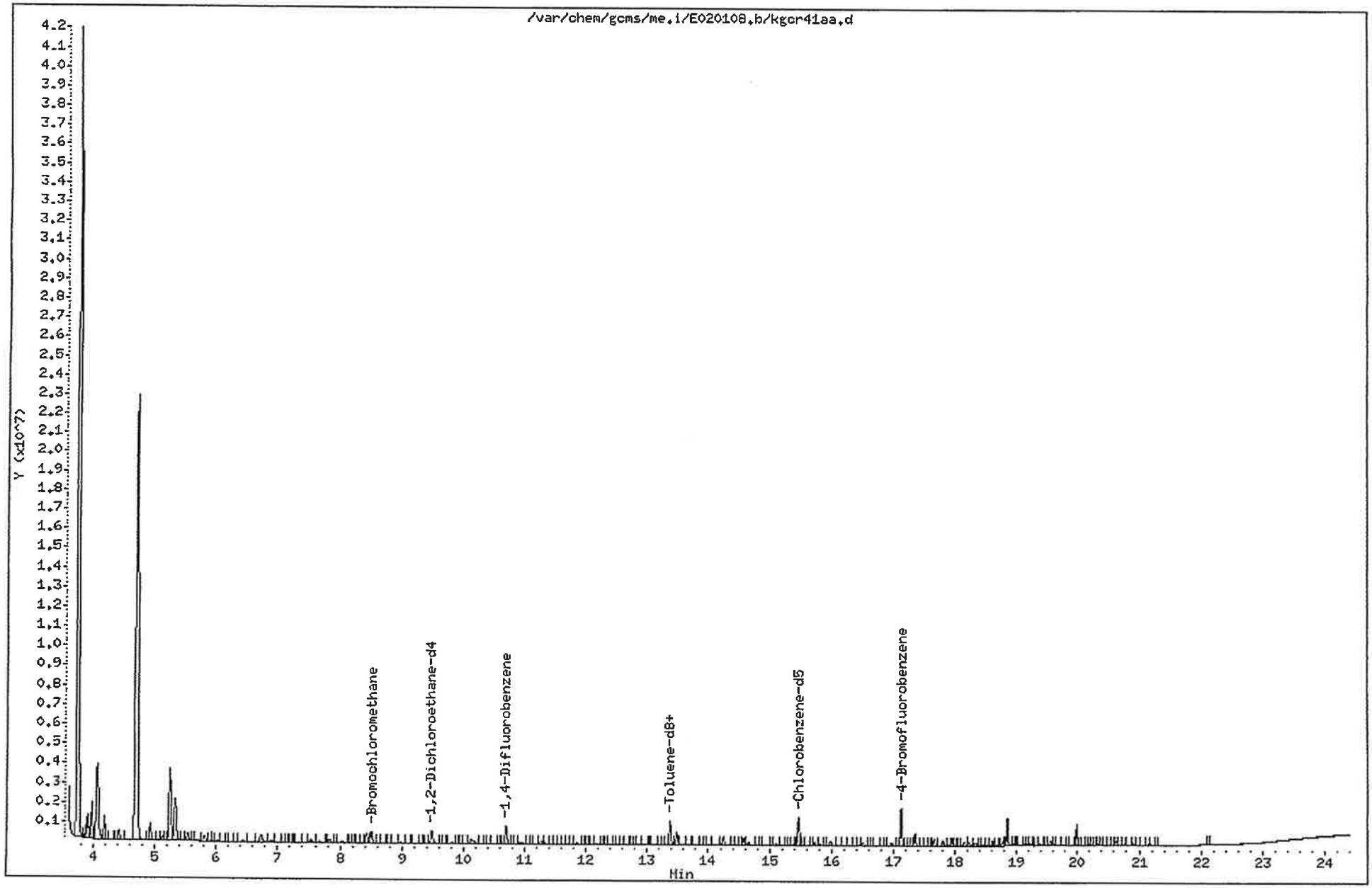
RECOVERY REPORT

Client Name: New York State D.E.C31-JAN-2008 00:00 Client SDG: H8A310110
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: KGCR41AA Client Smp ID: FIRST FLOOR
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: korkay.sub
Method File: /var/chem/gcms/me.i/E020108.b/TO155.m
Misc Info: E020108,TO155,korkay.sub,,500 ML

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 1,2-Dichloroethane	4.000	4.676	116.90	70-130
$ 5 Toluene-d8	4.000	4.115	102.88	70-130
$ 6 4-Bromofluorobenze	4.000	4.170	104.26	70-130

Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d
Date : 01-FEB-2008 13:53
Client ID: FIRST FLOOR
Sample Info: ,,0,,,
Purge Volume: 500.0
Column phase: HP-5

Instrument: me.i
Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d

Date : 01-FEB-2008 13:53

Client ID: FIRST FLOOR

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

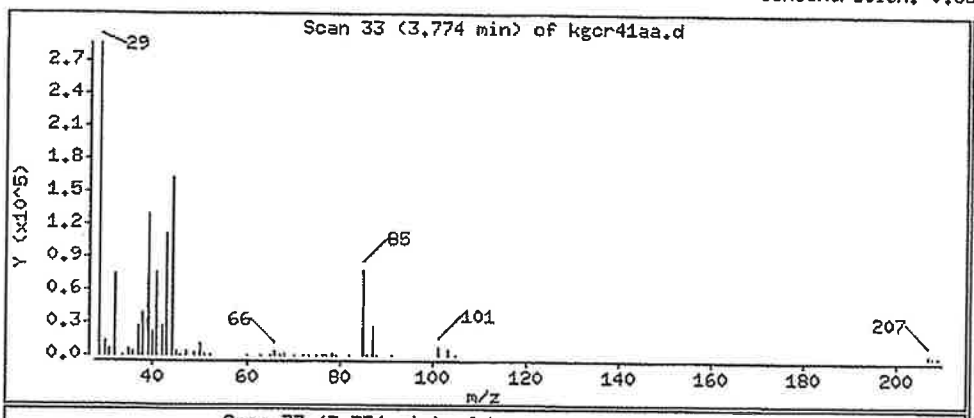
Operator: 7126

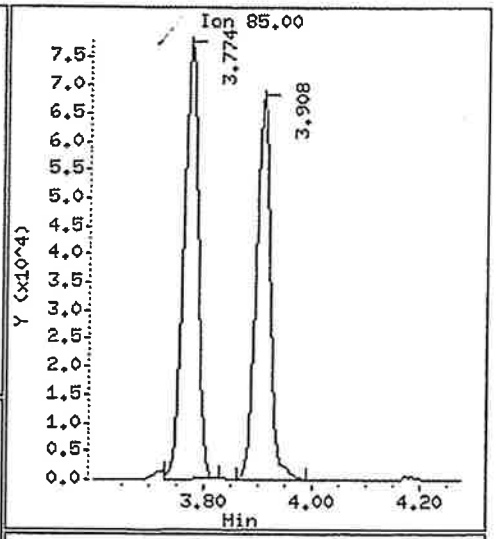
Column phase: HP-5

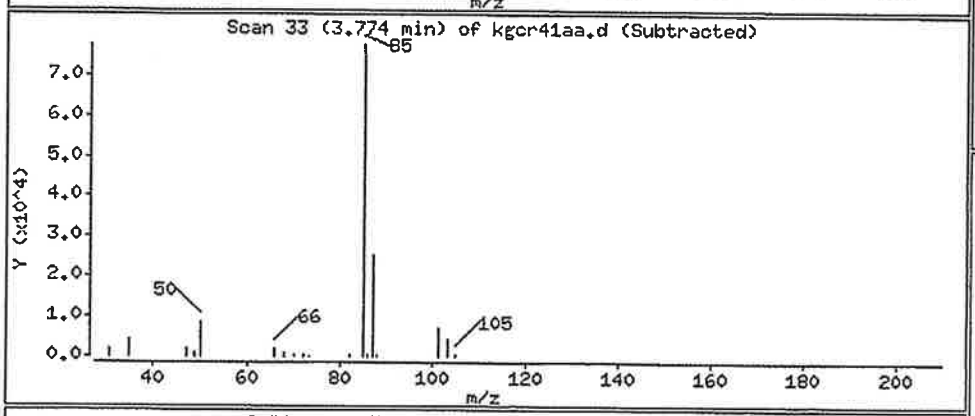
Column diameter: 0.32

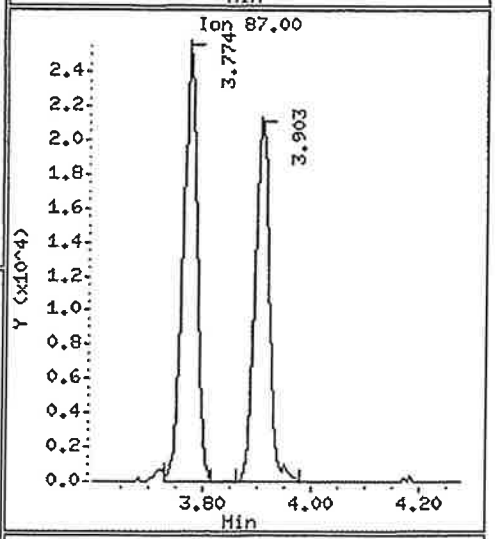
9 Dichlorodifluoromethane

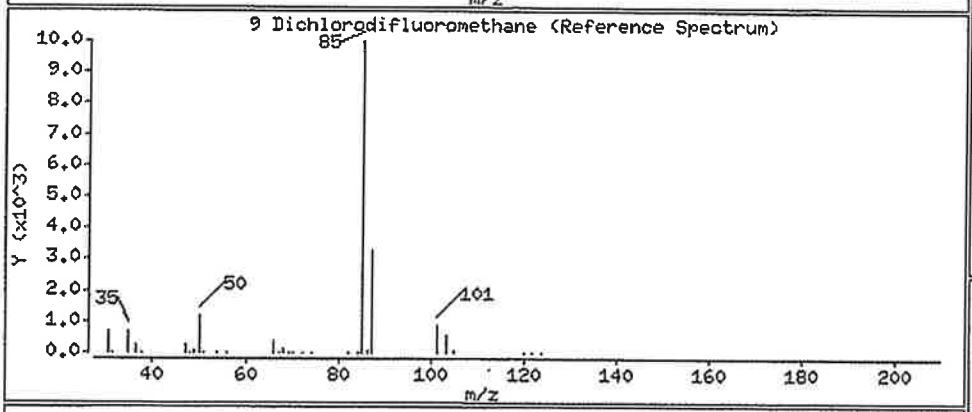
Concentration: 0.6573 ppb(v/v)

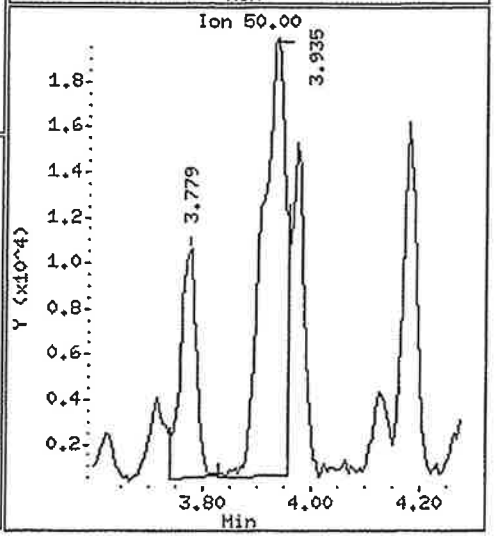


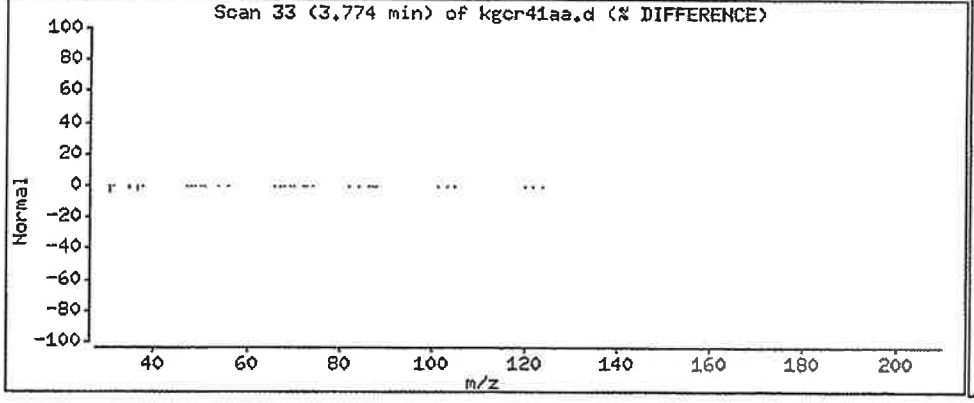












Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d

Date : 01-FEB-2008 13:53

Client ID: FIRST FLOOR

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

Operator: 7126

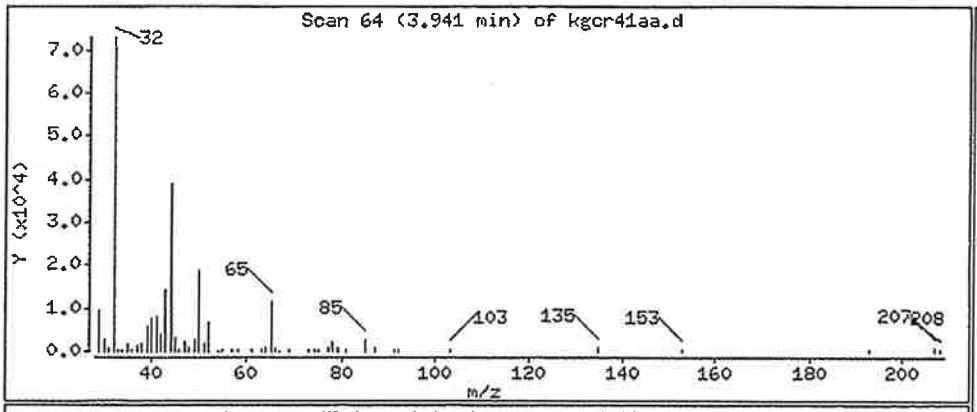
Column phase: HP-5

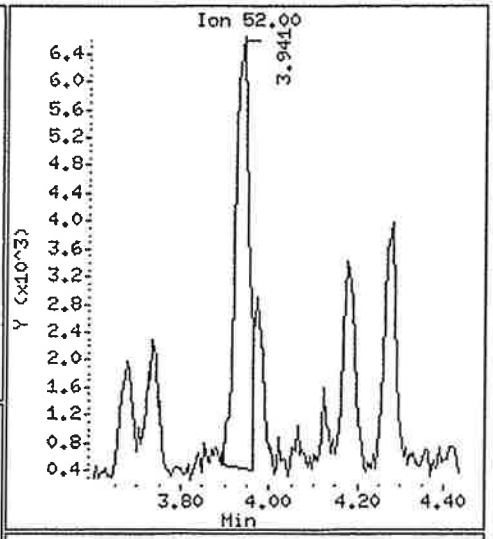
Column diameter: 0.32

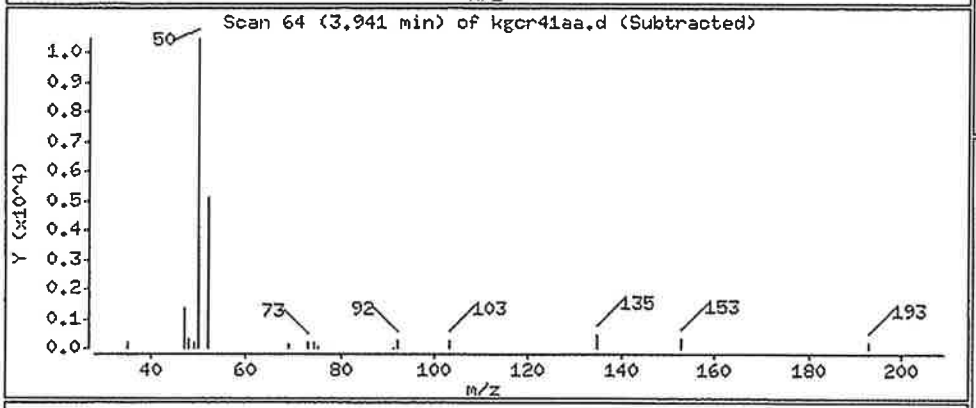
DW 2/4/08 (2)

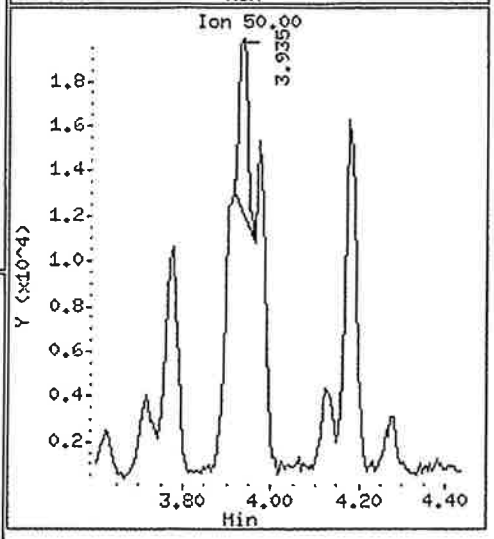
10 Chloromethane

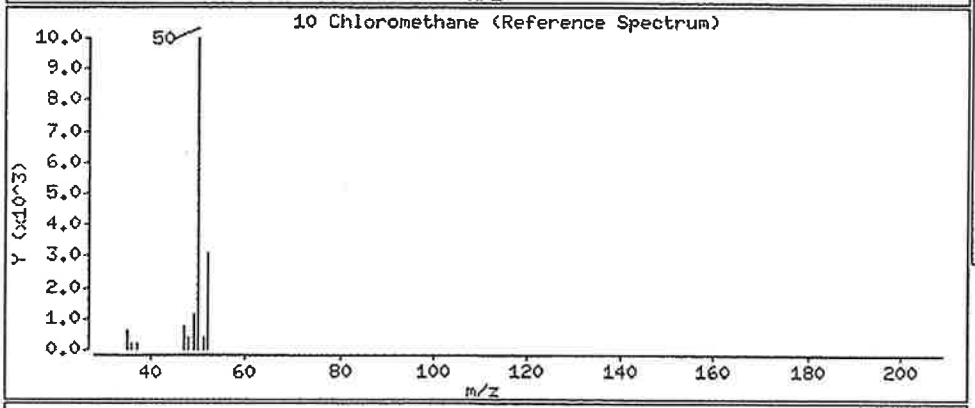
Concentration: 0.6977 ppb(v/v)

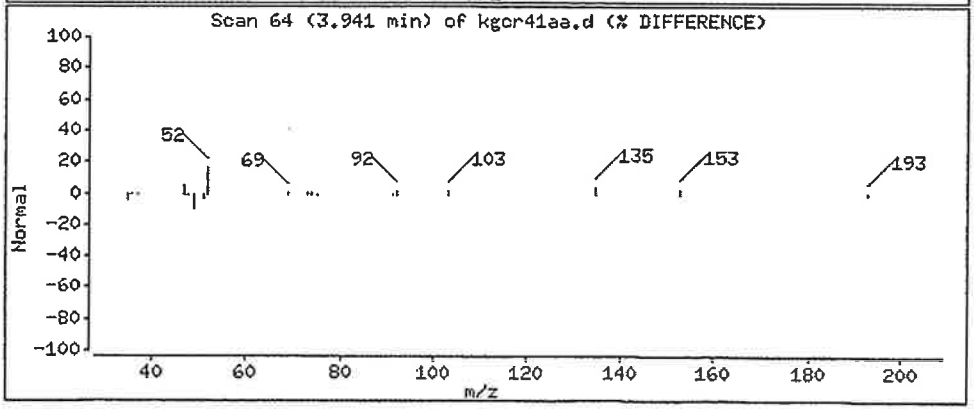












Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d

Date : 01-FEB-2008 13:53

Client ID: FIRST FLOOR

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

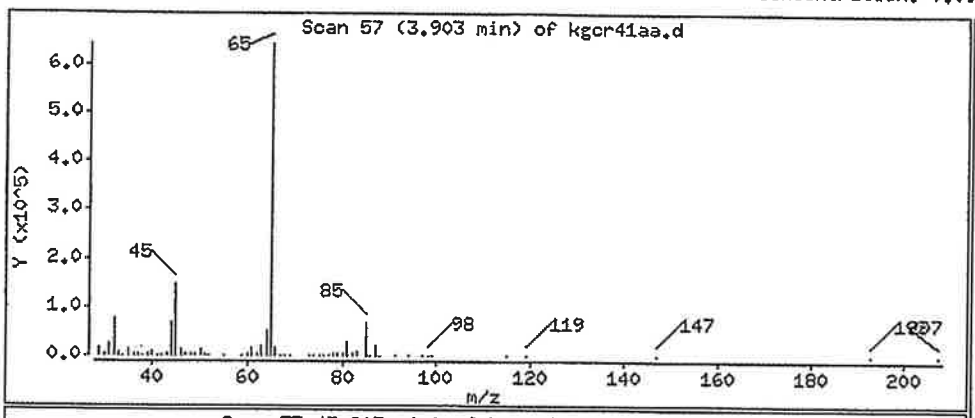
Operator: 7126

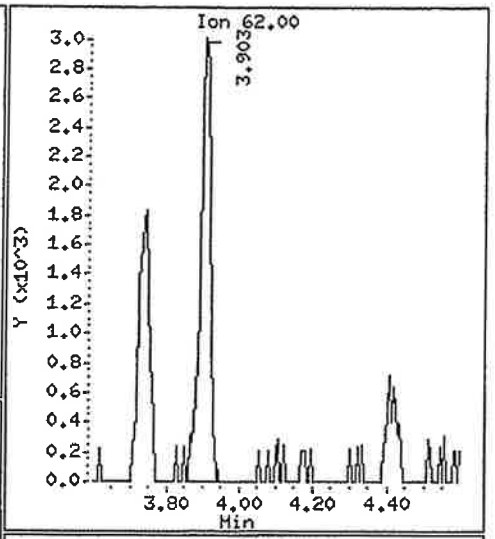
Column phase: HP-5

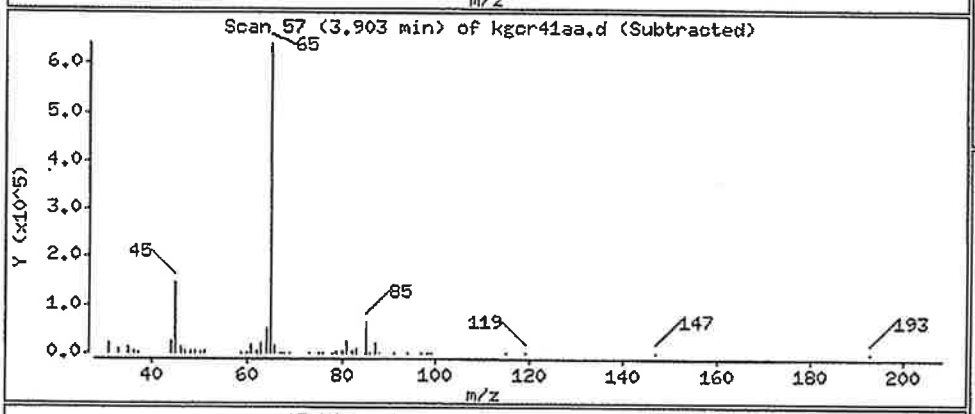
Column diameter: 0.32

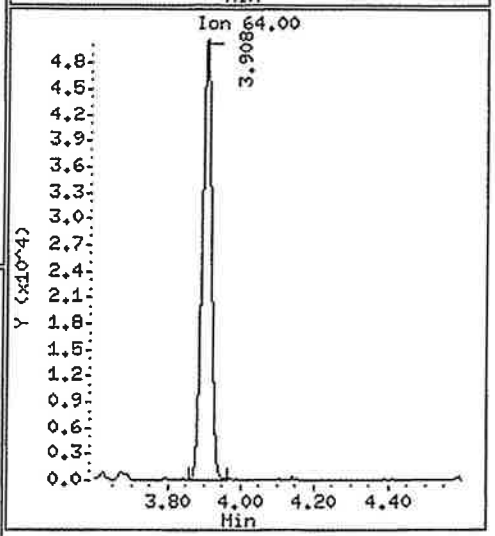
13 Vinyl Chloride

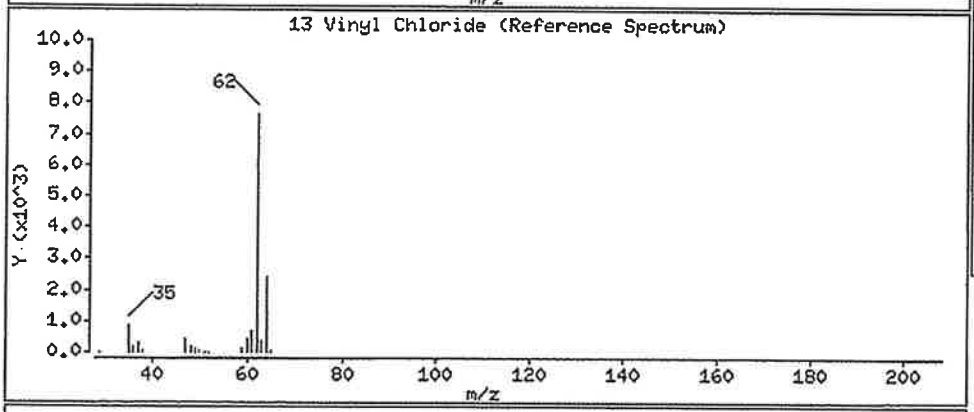
Concentration: 0.09267 ppb(v/v)

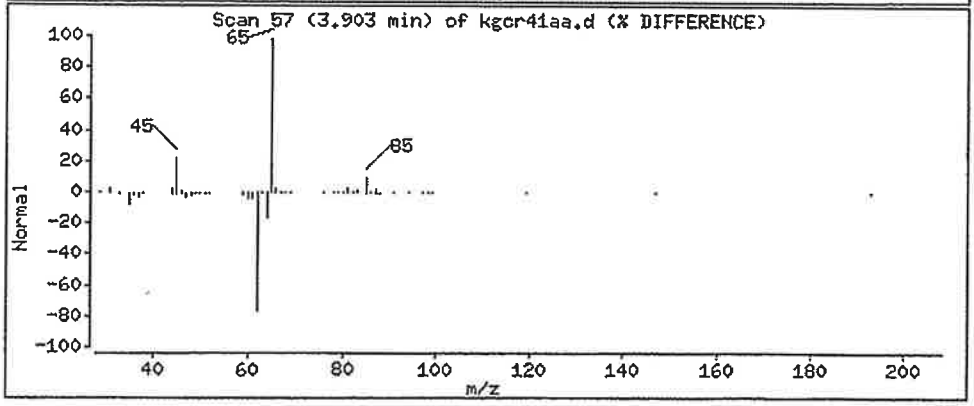












Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d

Date : 01-FEB-2008 13:53

Client ID: FIRST FLOOR

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

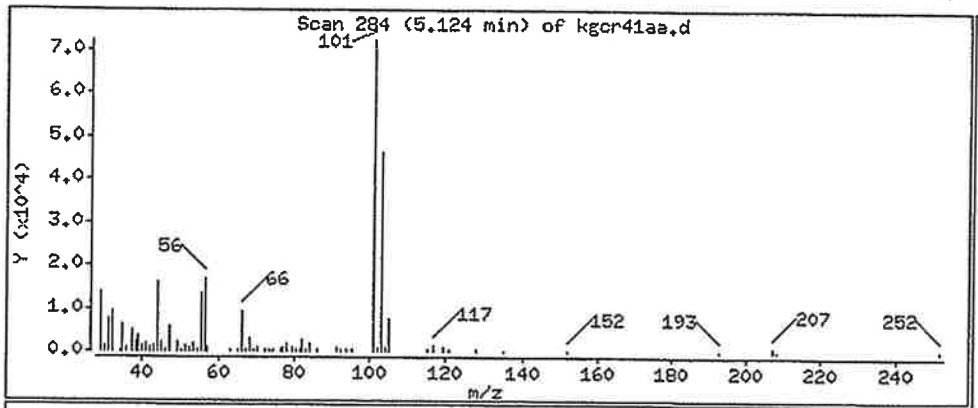
Operator: 7126

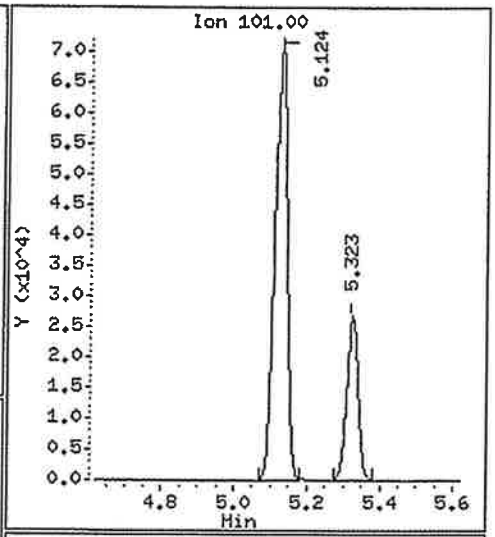
Column phase: HP-5

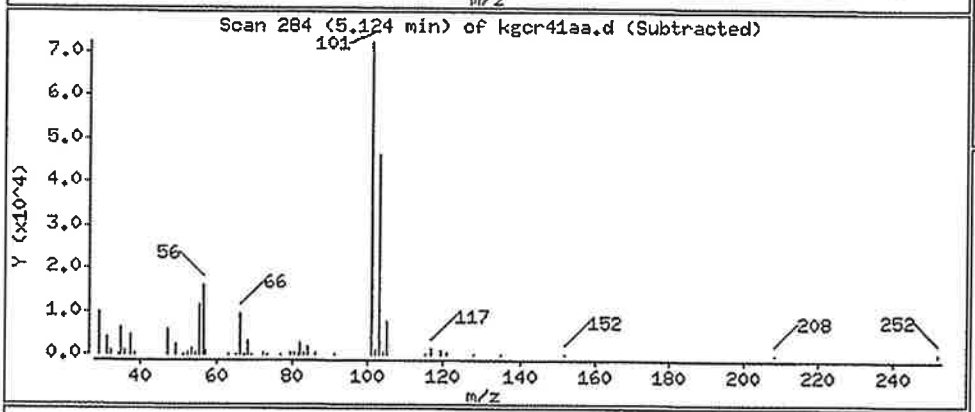
Column diameter: 0.32

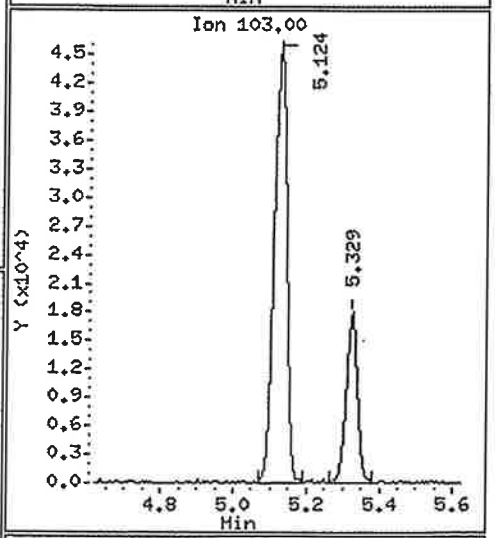
20 Trichlorofluoromethane

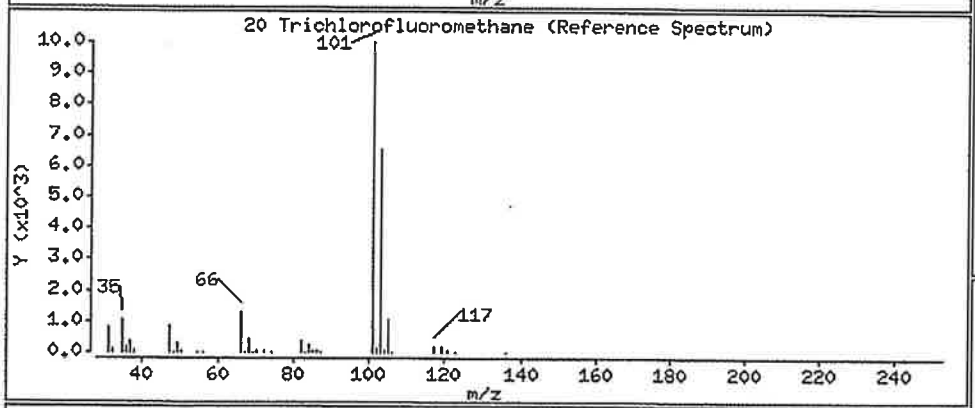
Concentration: 0.7458 ppb(v/v)

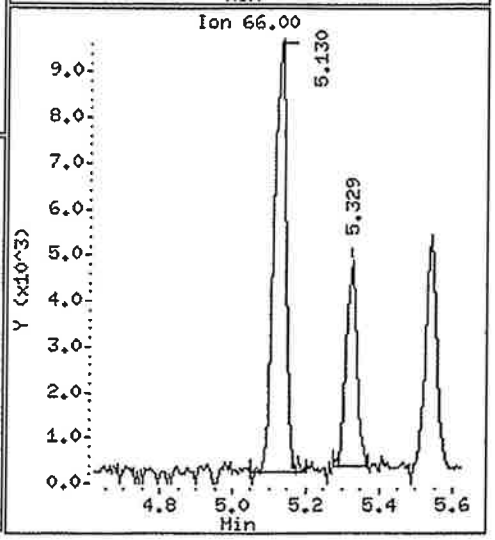


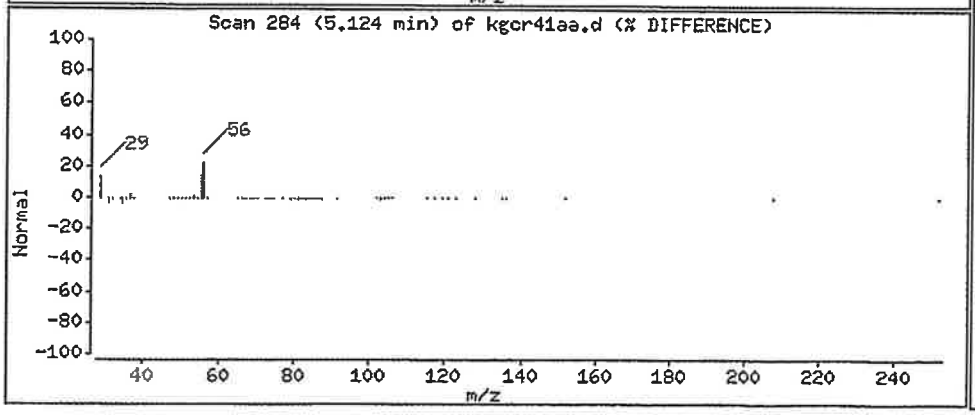












Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d

Date : 01-FEB-2008 13:53

Client ID: FIRST FLOOR

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

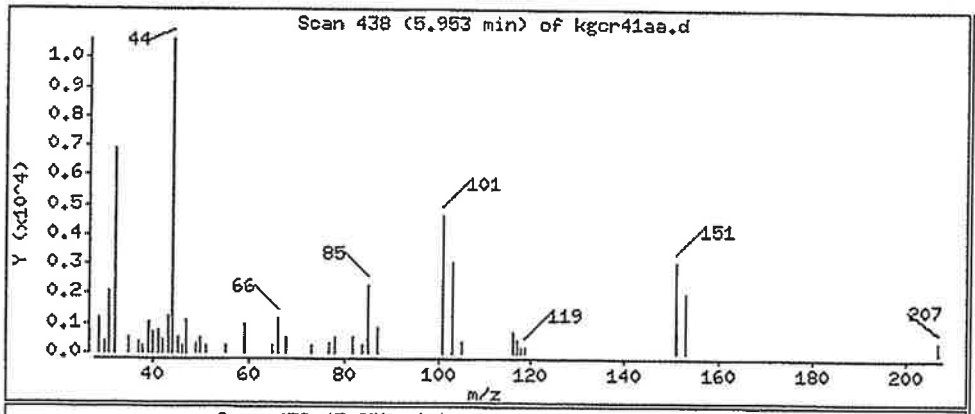
Operator: 7126

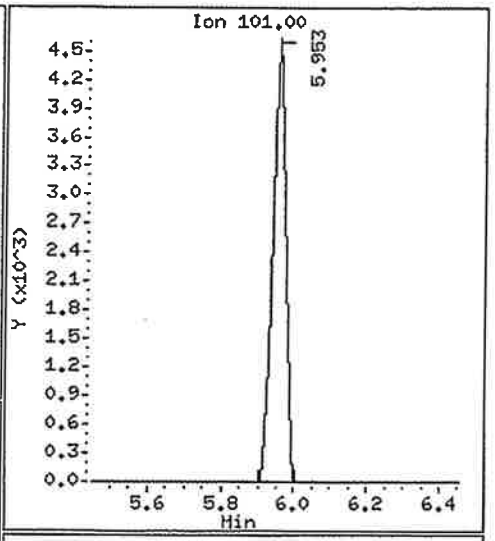
Column phase: HP-5

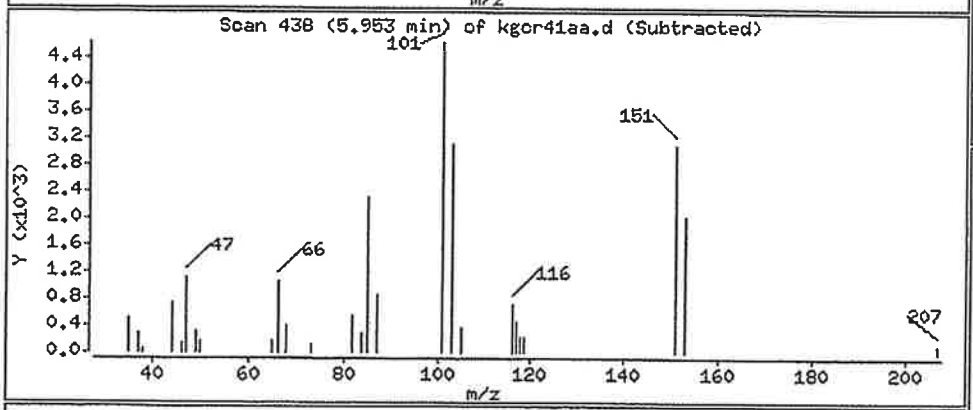
Column diameter: 0.32

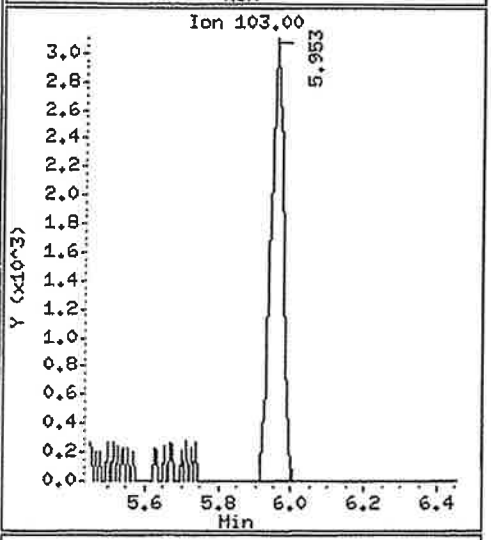
30 1,1,2-Trichlorotrifluoroethane

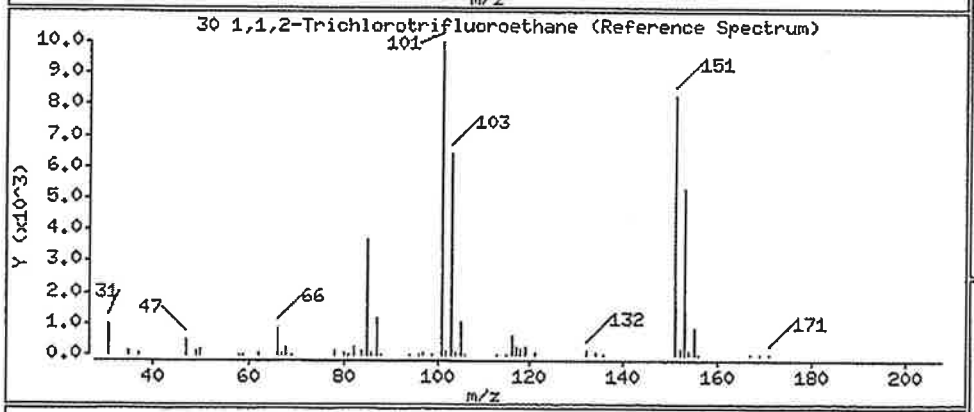
Concentration: 0.1031 ppb(v/v)

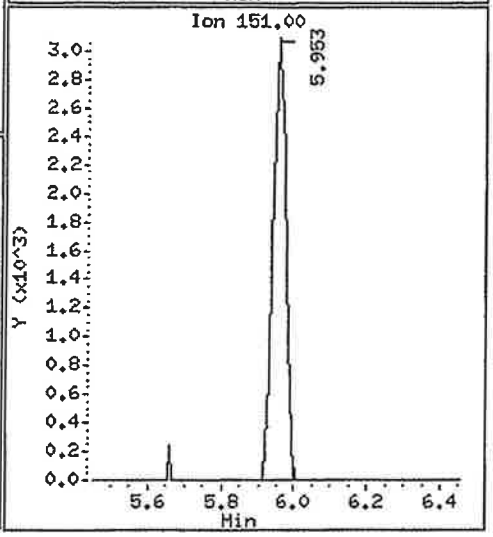


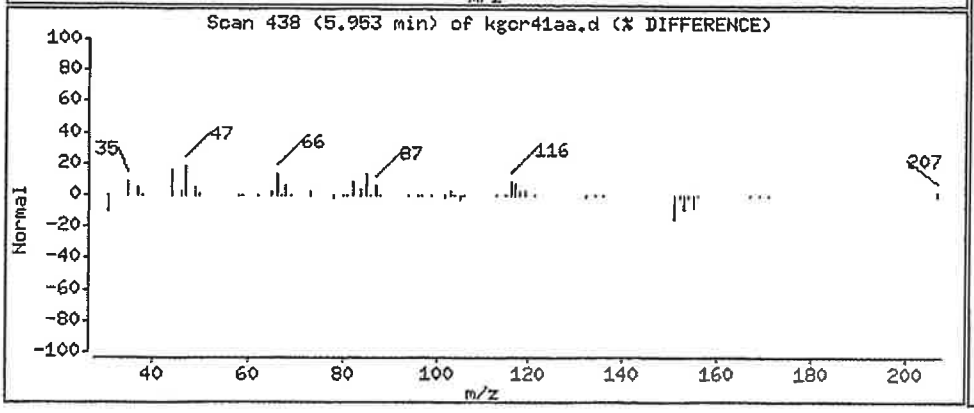












Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d

Date : 01-FEB-2008 13:53

Client ID: FIRST FLOOR

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

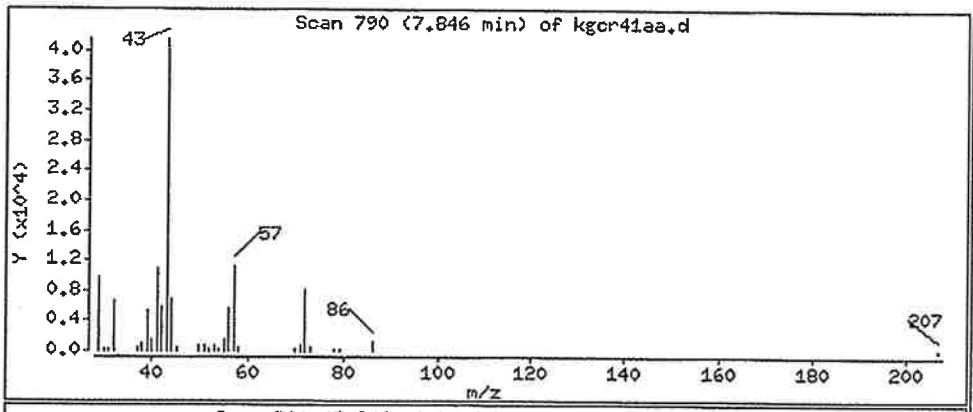
Operator: 7126

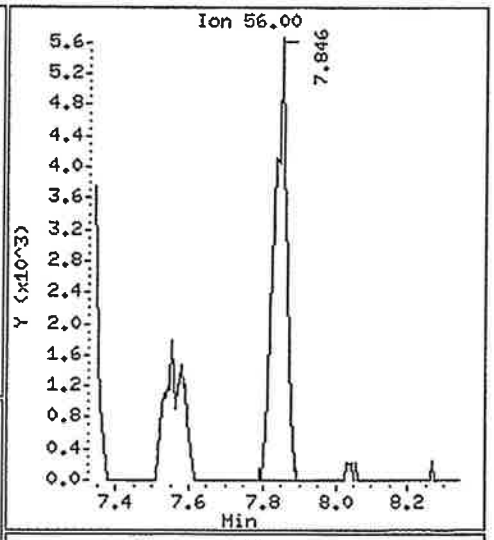
Column phase: HP-5

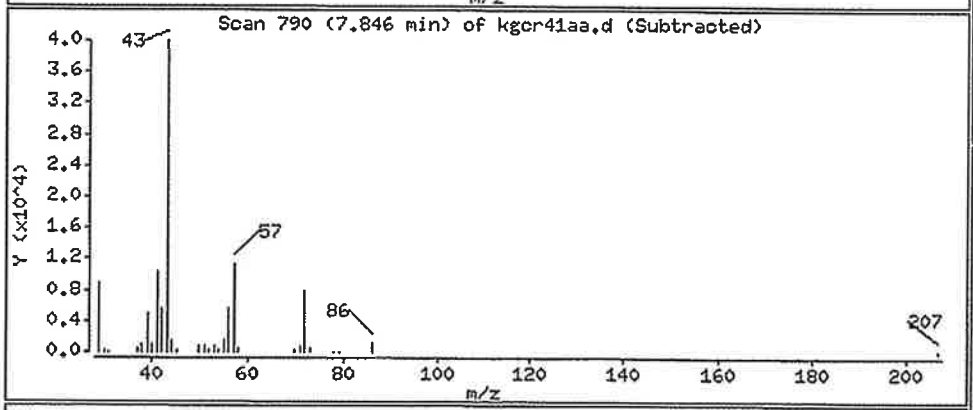
Column diameter: 0.32

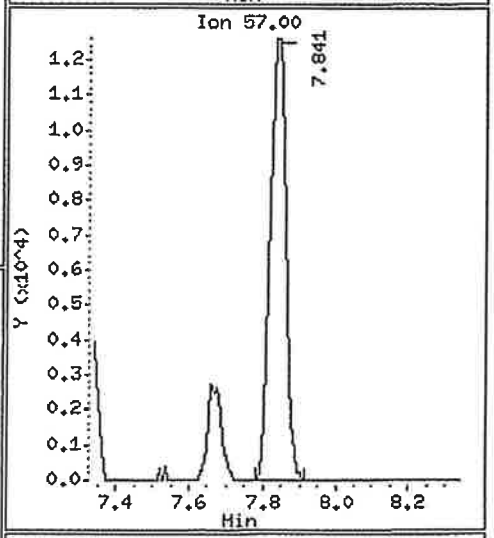
39 Hexane

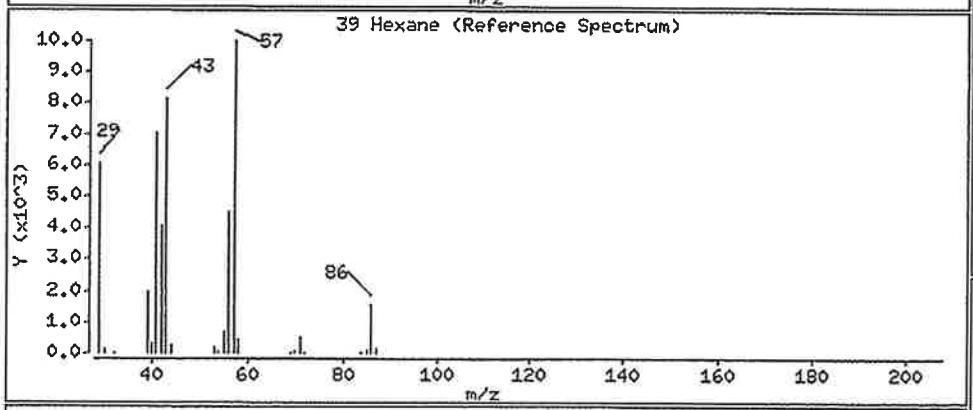
Concentration: 0.2247 ppb(v/v)

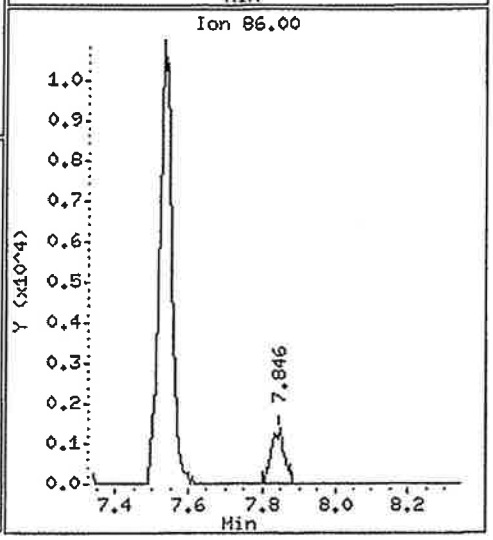


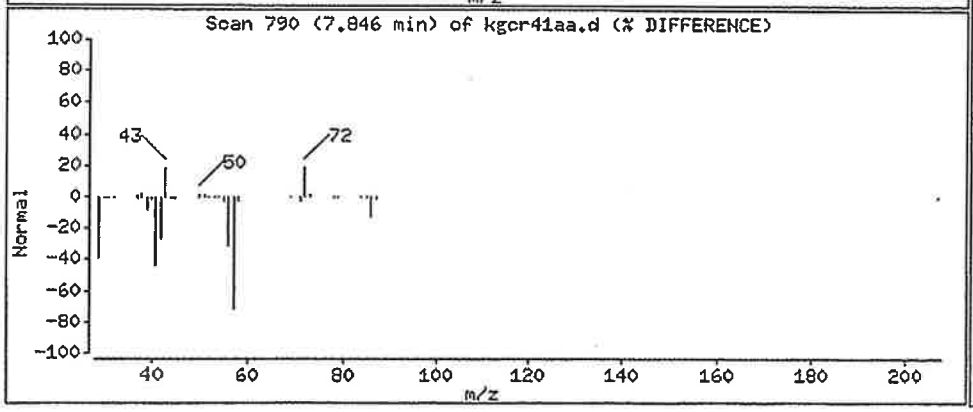












Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d

Date : 01-FEB-2008 13:53

Client ID: FIRST FLOOR

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

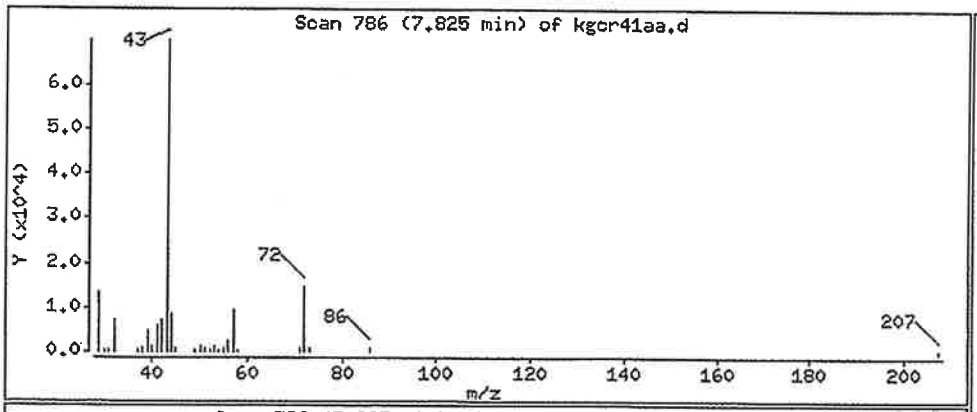
Operator: 7126

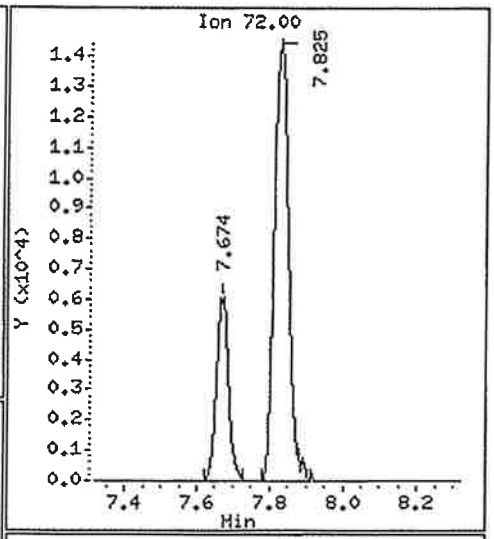
Column phase: HP-5

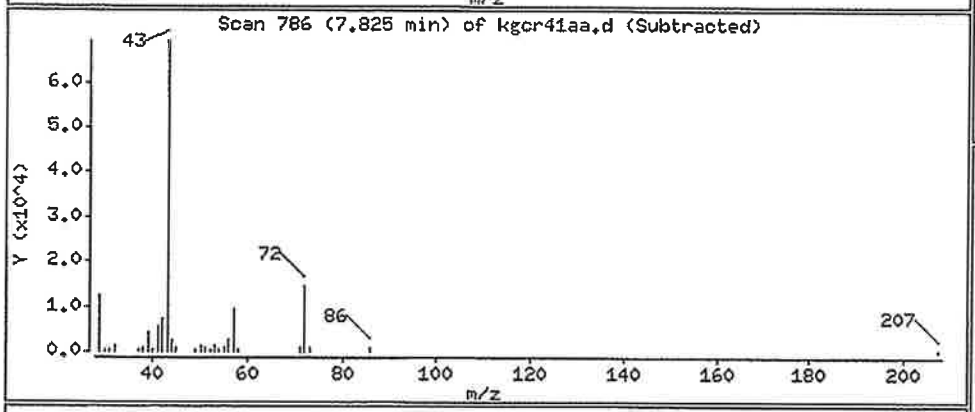
Column diameter: 0.32

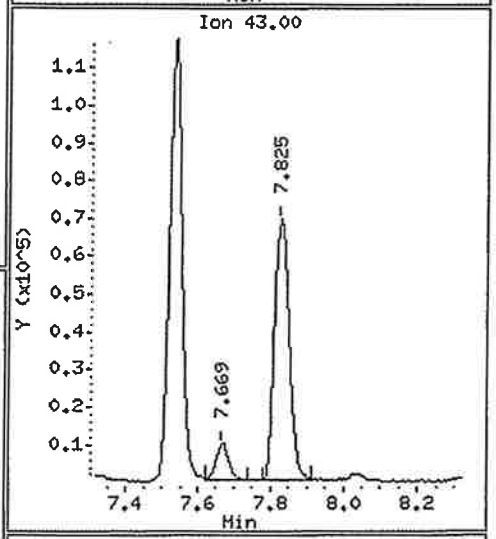
40 2-Butanone

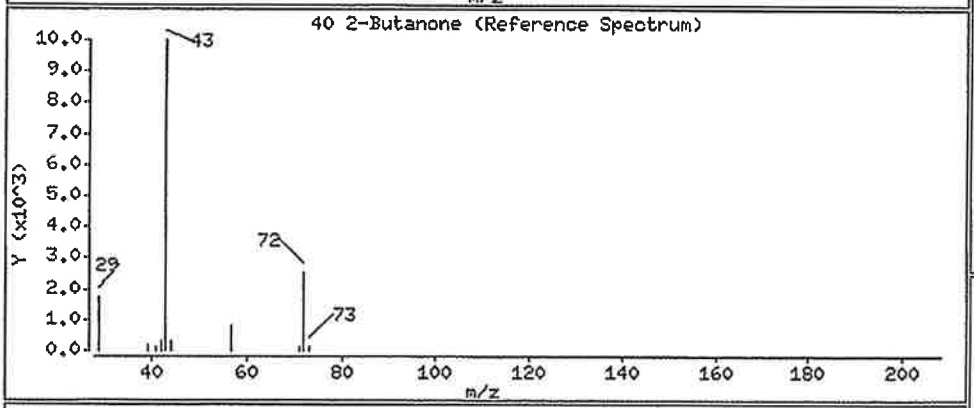
Concentration: 1.665 ppb(v/v)

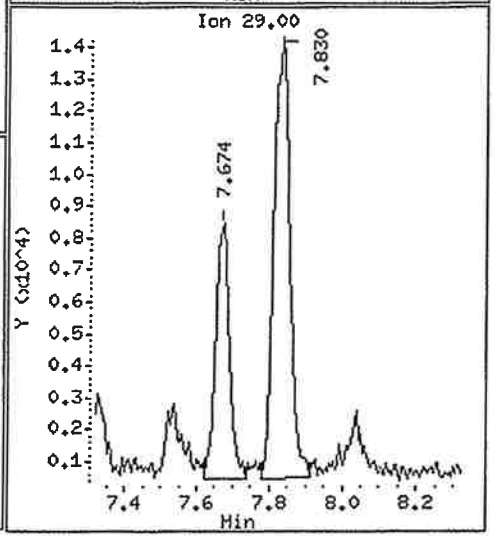


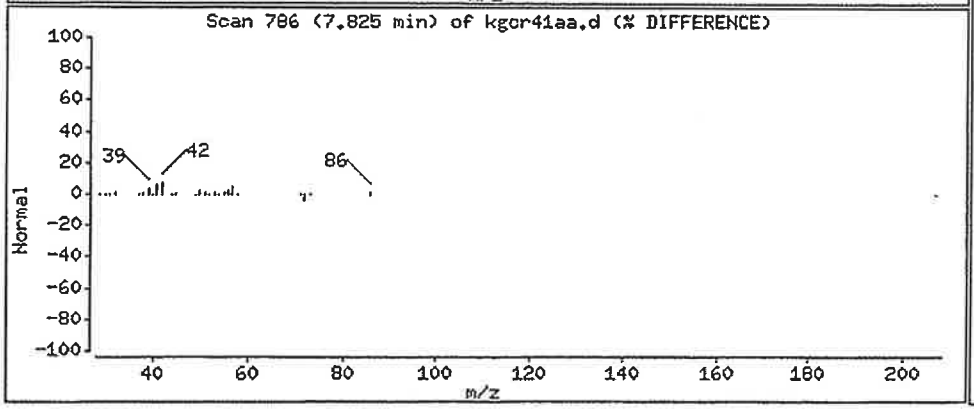












Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d

Date : 01-FEB-2008 13:53

Client ID: FIRST FLOOR

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

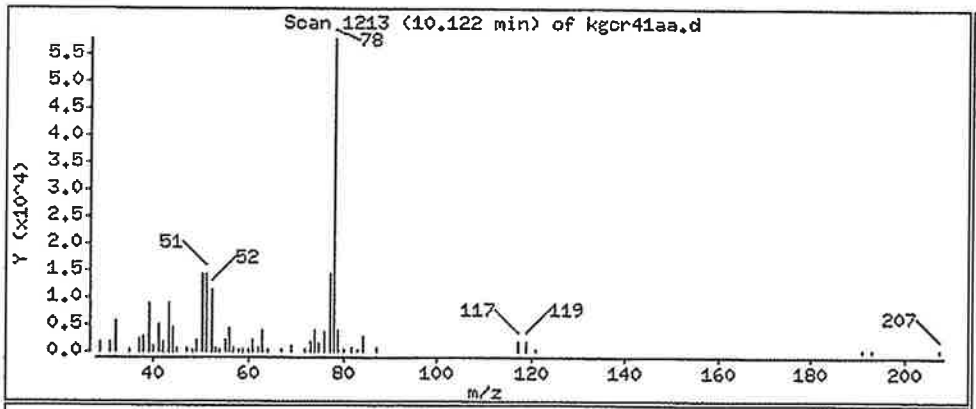
Operator: 7126

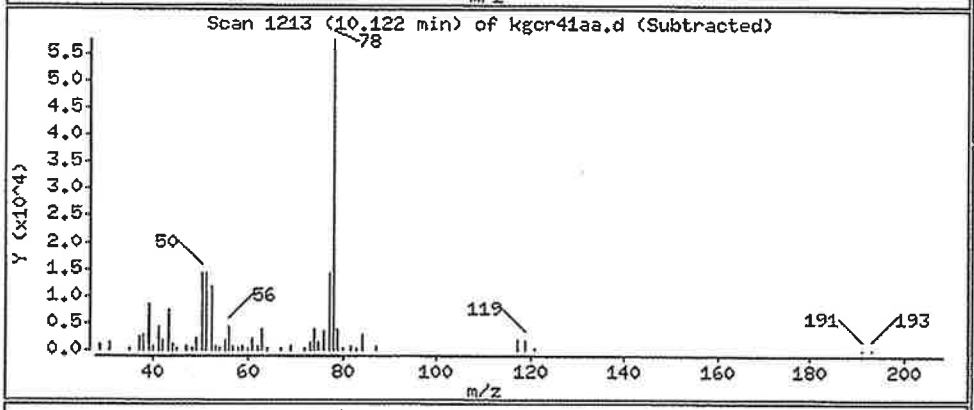
Column phase: HP-5

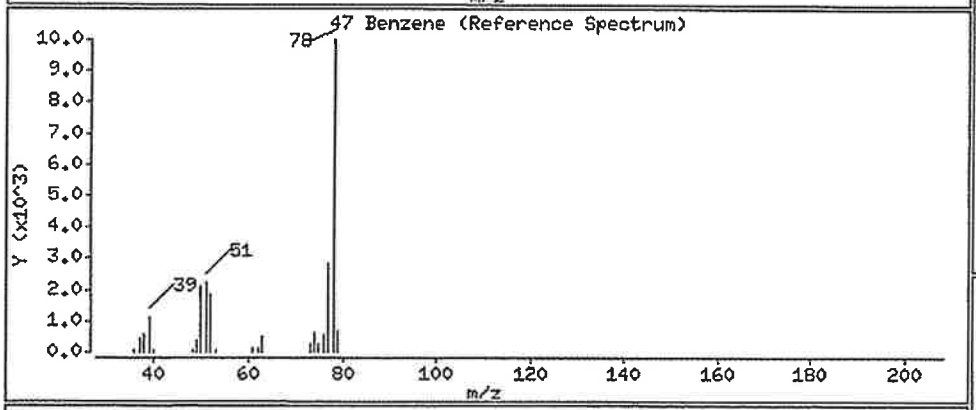
Column diameter: 0.32

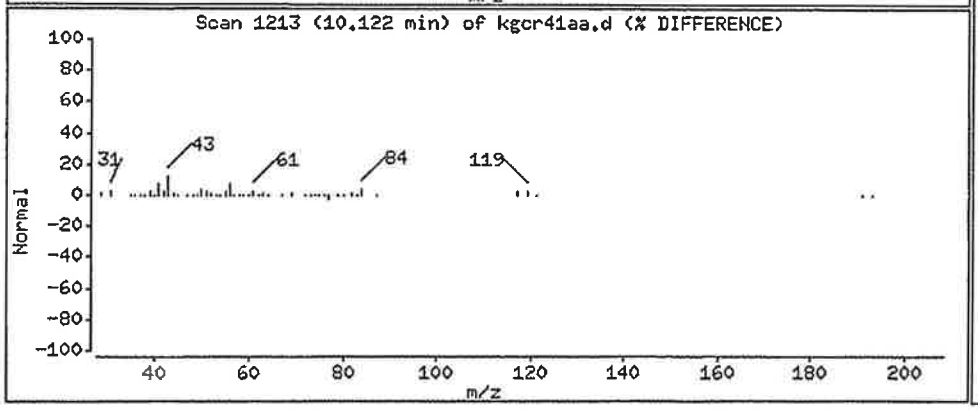
47 Benzene

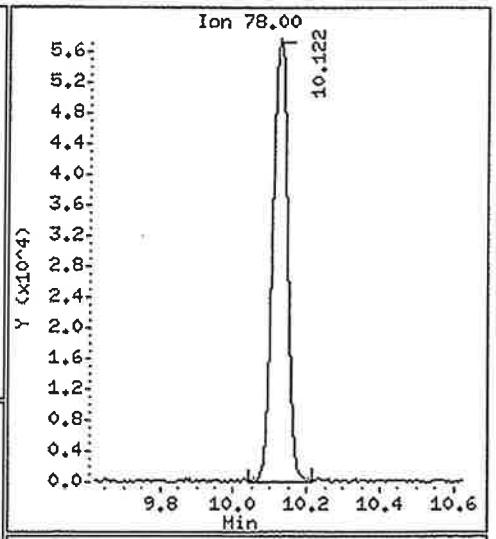
Concentration: 0.9386 ppb(v/v)

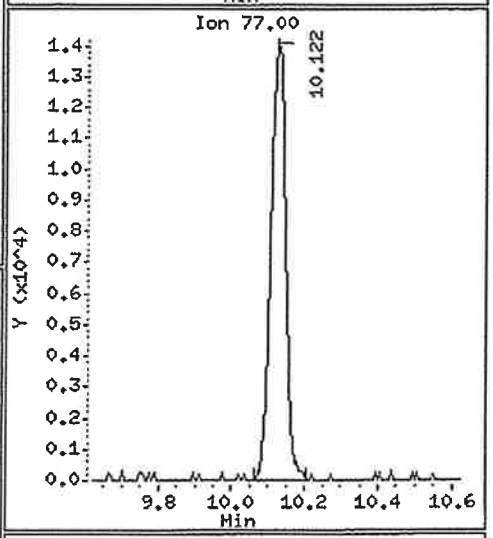


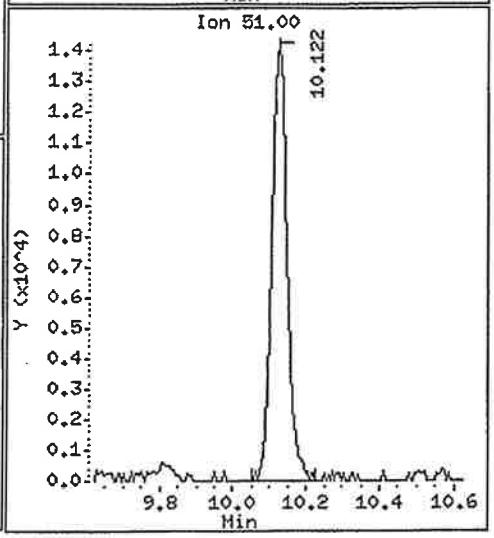












Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d

Date : 01-FEB-2008 13:53

Client ID: FIRST FLOOR

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

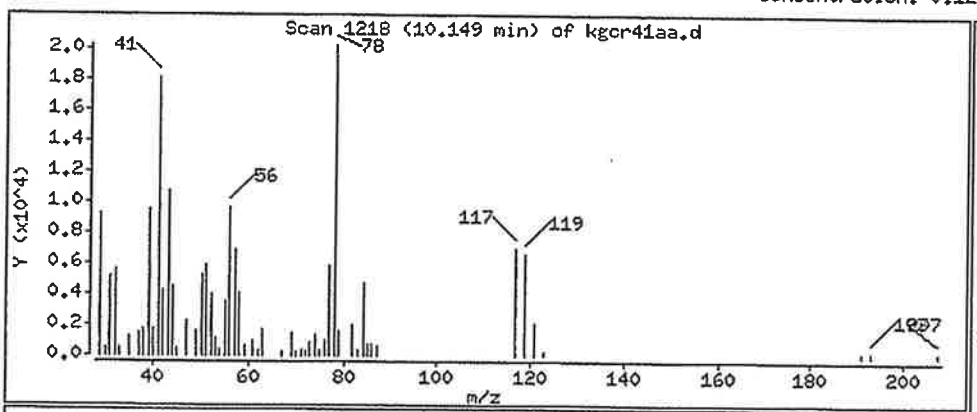
Operator: 7126

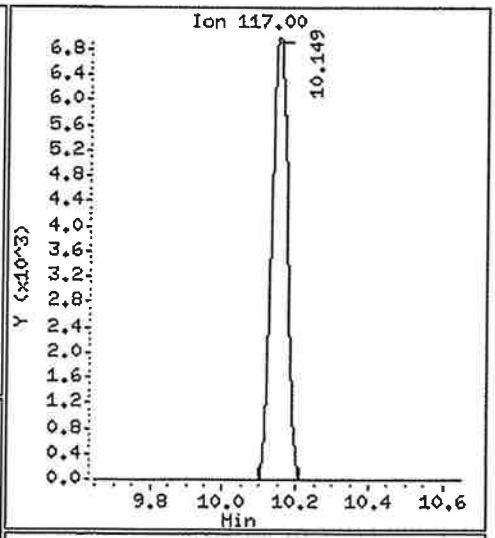
Column phase: HP-5

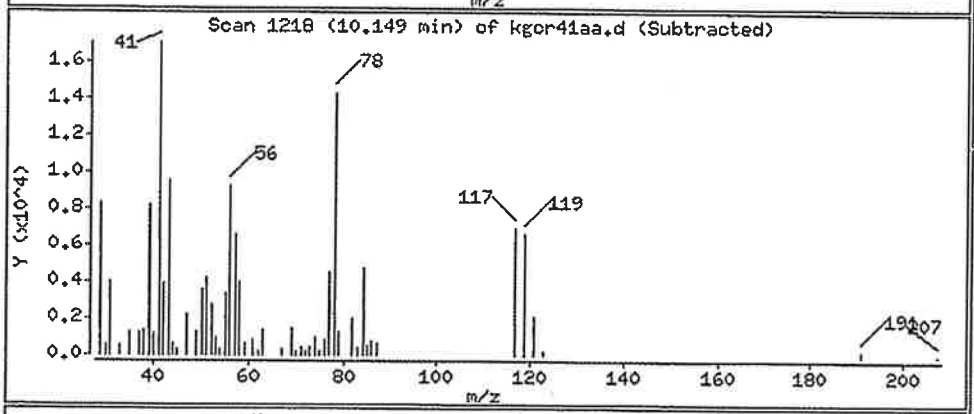
Column diameter: 0.32

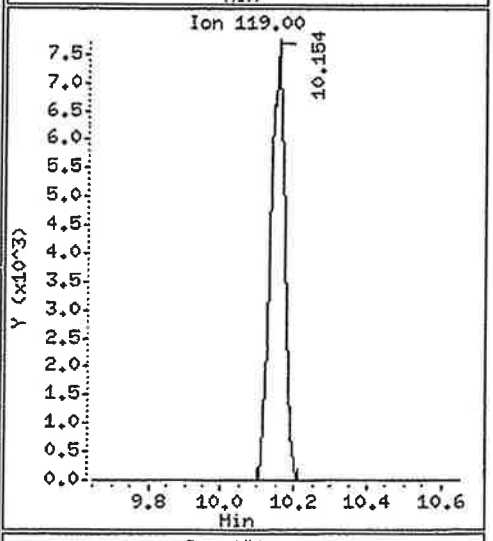
50 Carbon Tetrachloride

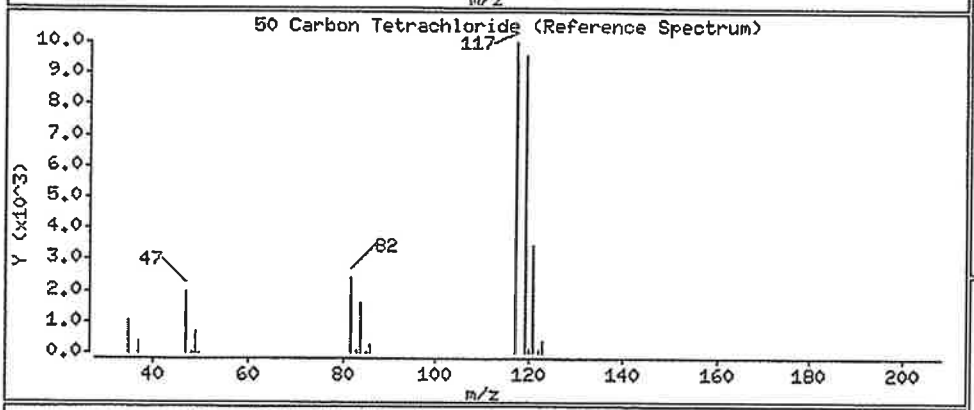
Concentration: 0.1208 ppb(v/v)

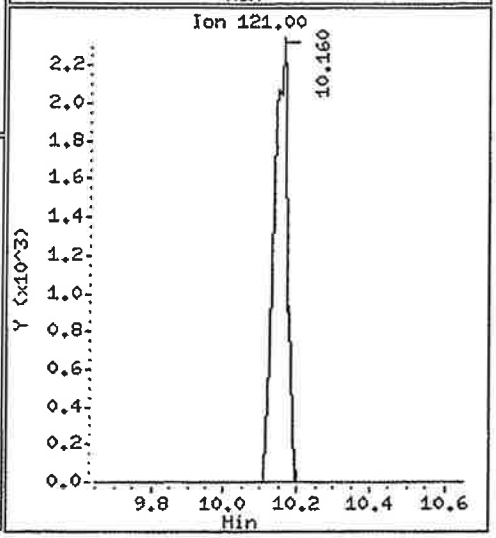


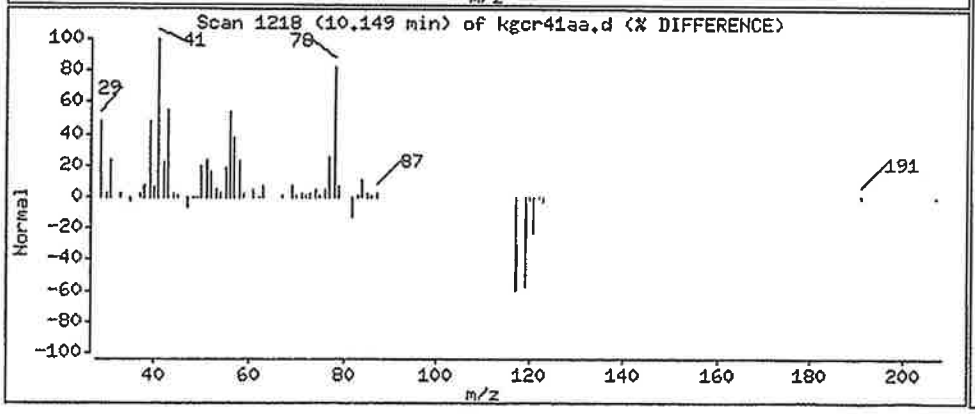












Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d

Date : 01-FEB-2008 13:53

Client ID: FIRST FLOOR

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

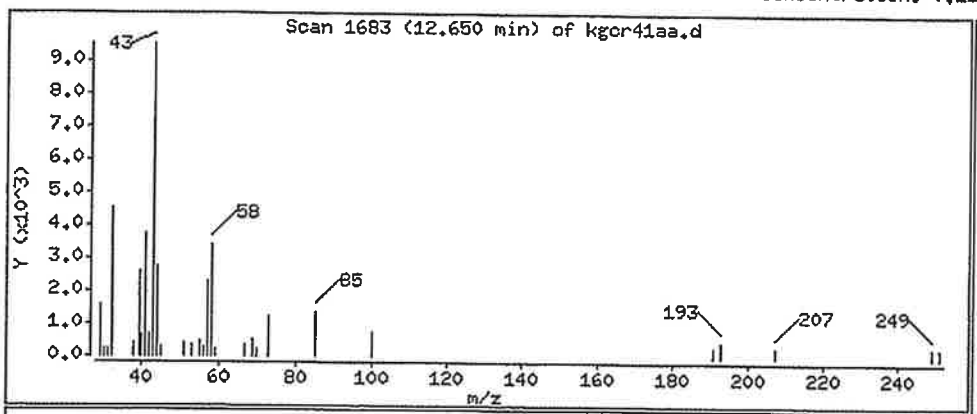
Operator: 7126

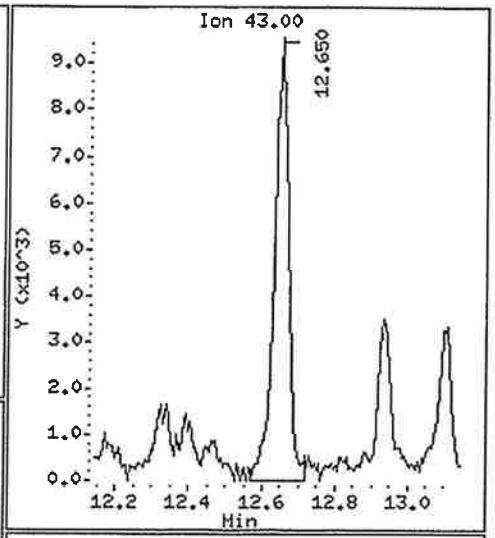
Column phase: HP-5

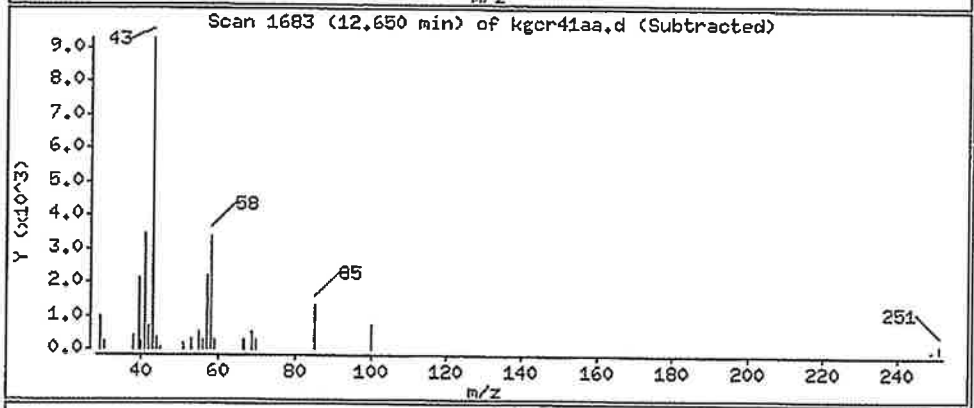
Column diameter: 0.32

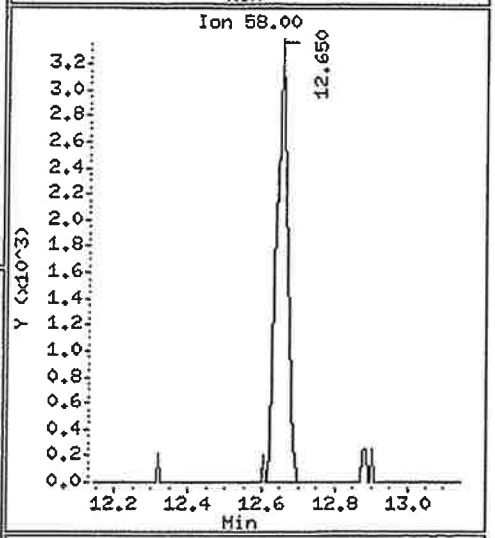
59 4-Methyl-2-pentanone

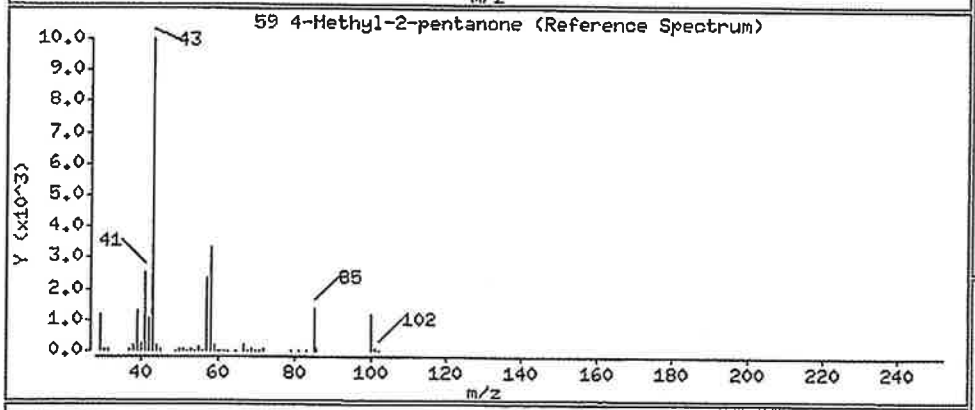
Concentration: 0.2163 ppb(v/v)

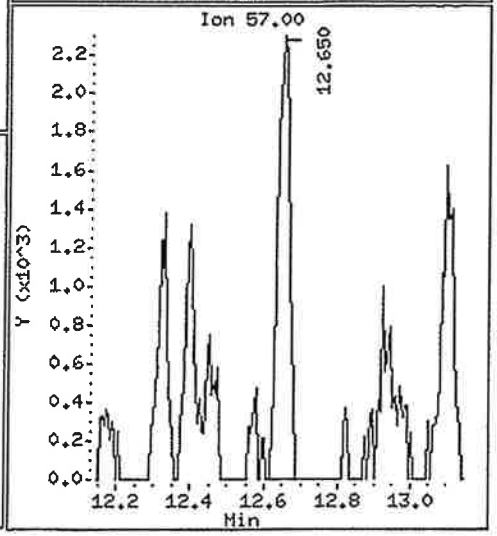


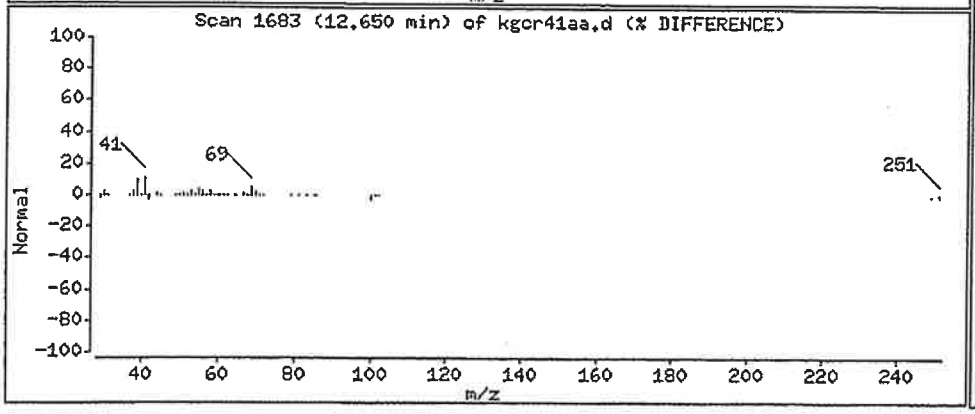












Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d

Date : 01-FEB-2008 13:53

Client ID: FIRST FLOOR

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

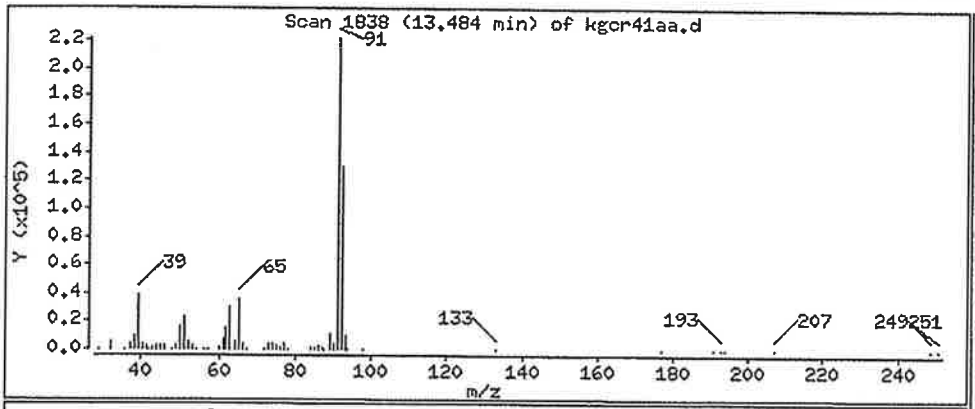
Operator: 7126

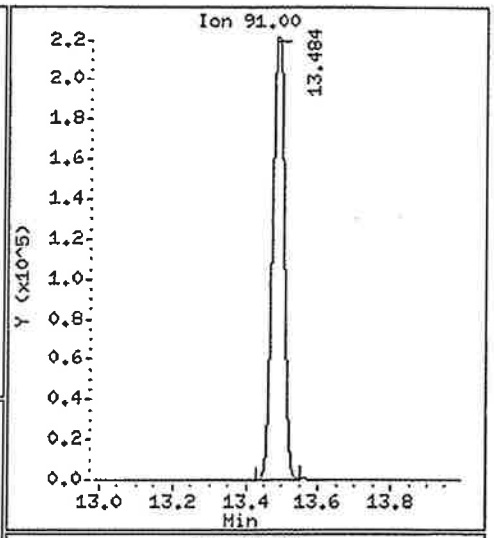
Column phase: HP-5

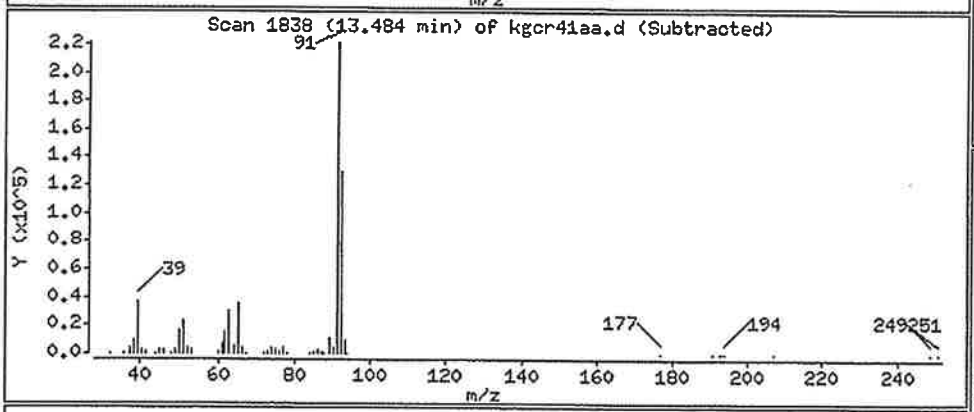
Column diameter: 0.32

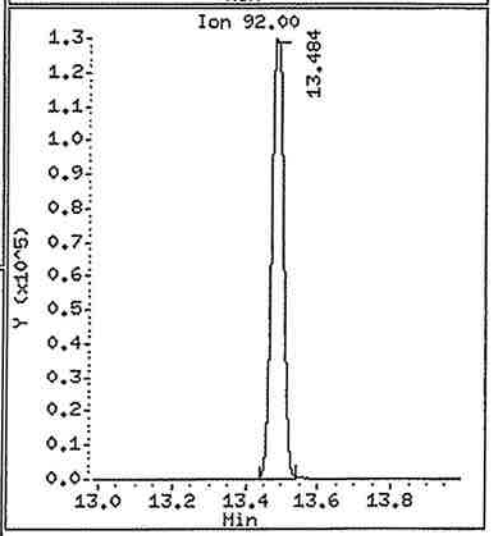
62 Toluene

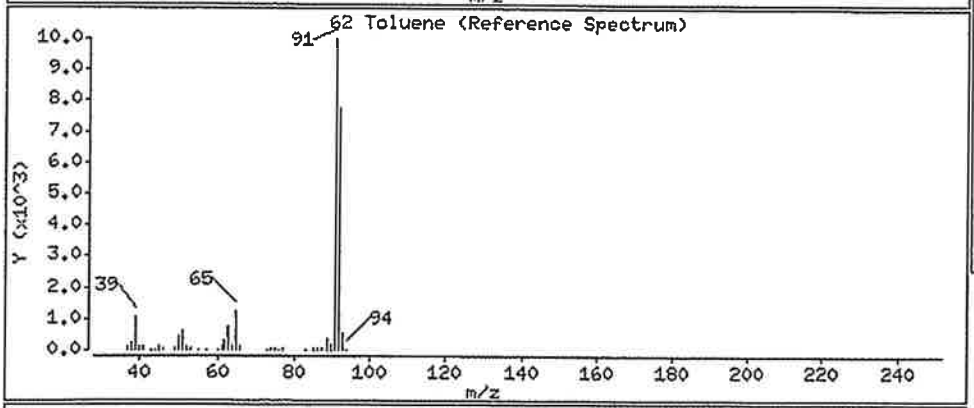
Concentration: 2.569 ppb(v/v)

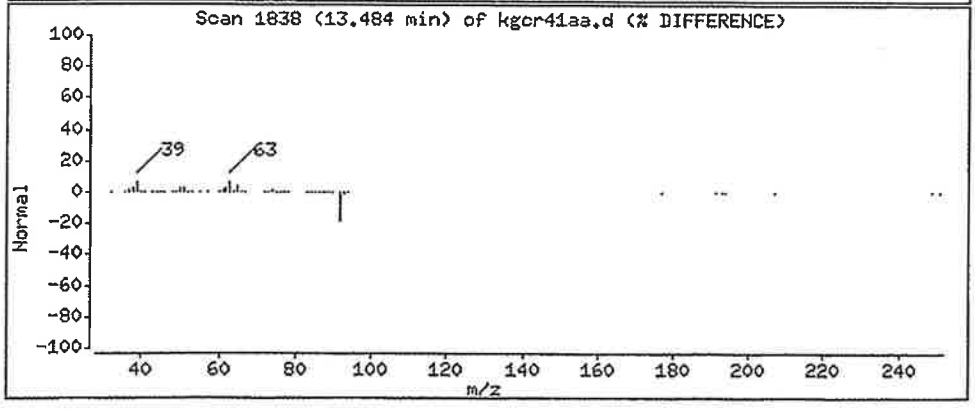












Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d

Date : 01-FEB-2008 13:53

Client ID: FIRST FLOOR

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

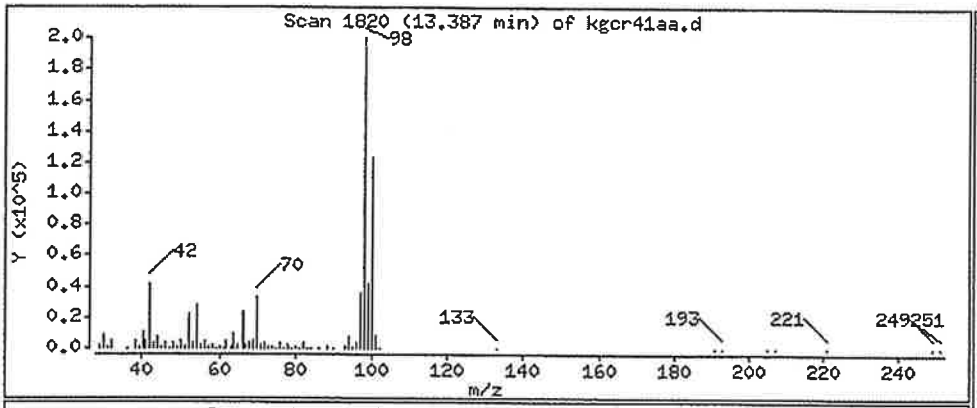
Operator: 7126

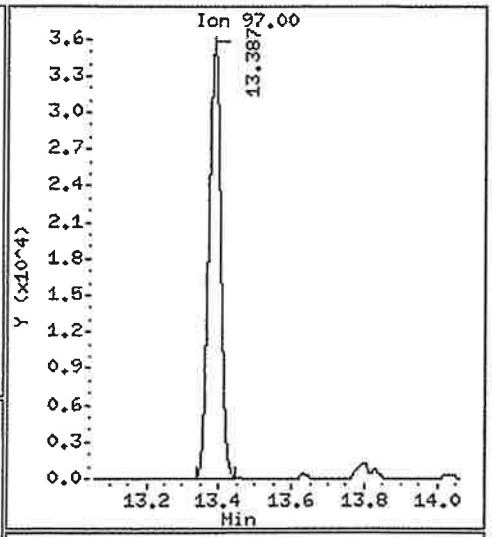
Column phase: HP-5

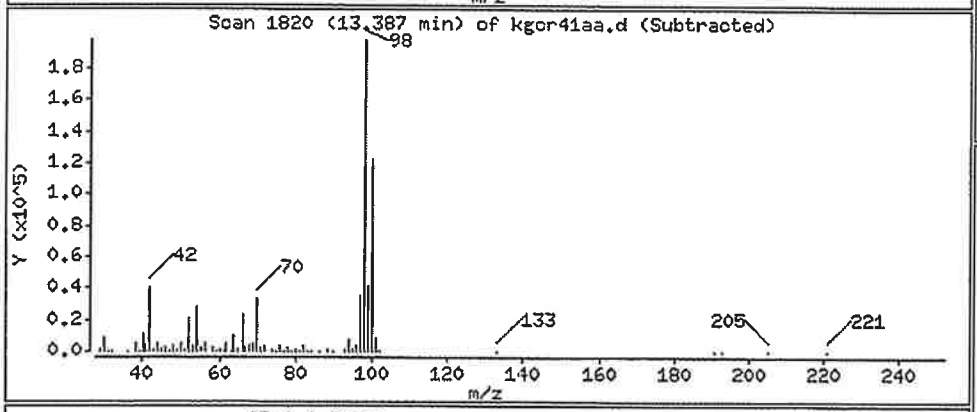
Column diameter: 0.32

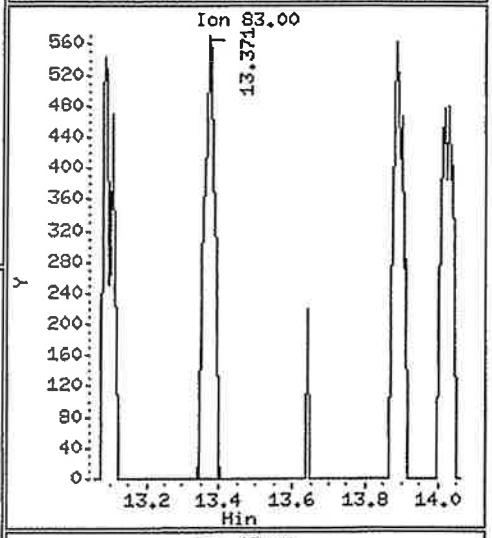
63 1,1,2-Trichloroethane

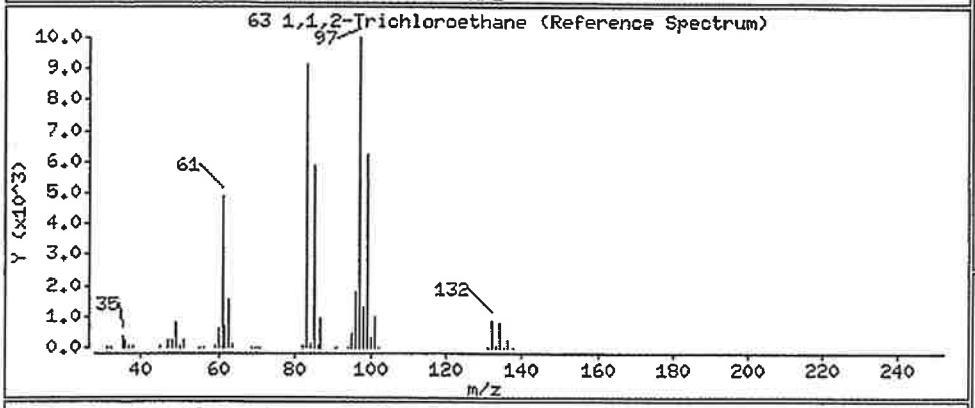
Concentration: 1.659 ppb(v/v)

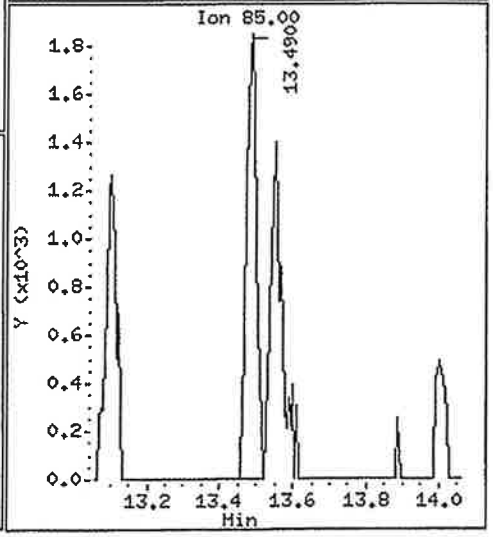


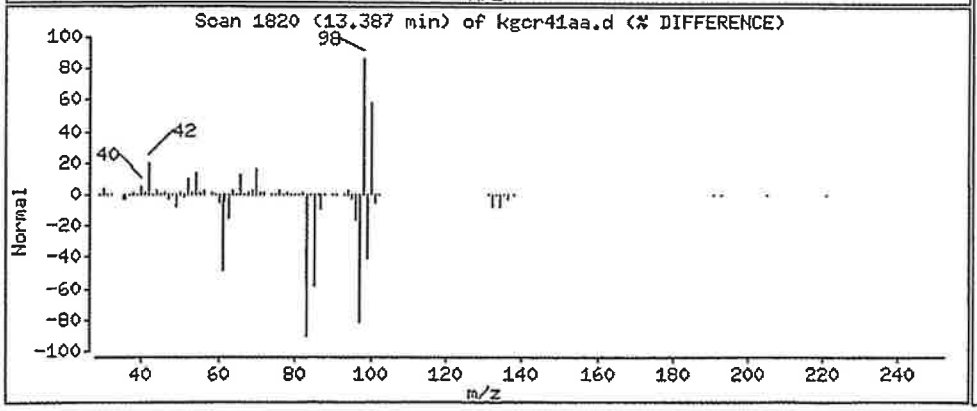












Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d

Date : 01-FEB-2008 13:53

Client ID: FIRST FLOOR

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

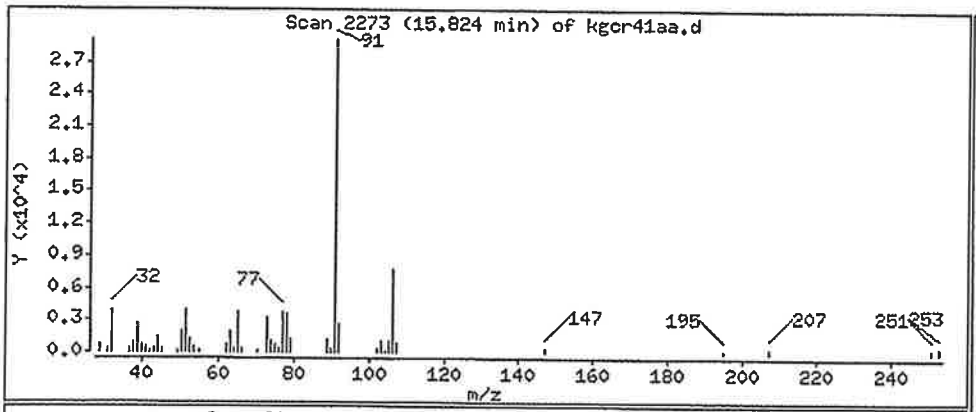
Operator: 7126

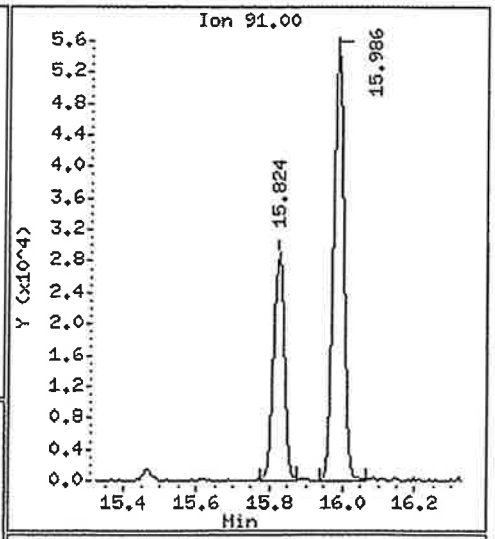
Column phase: HP-5

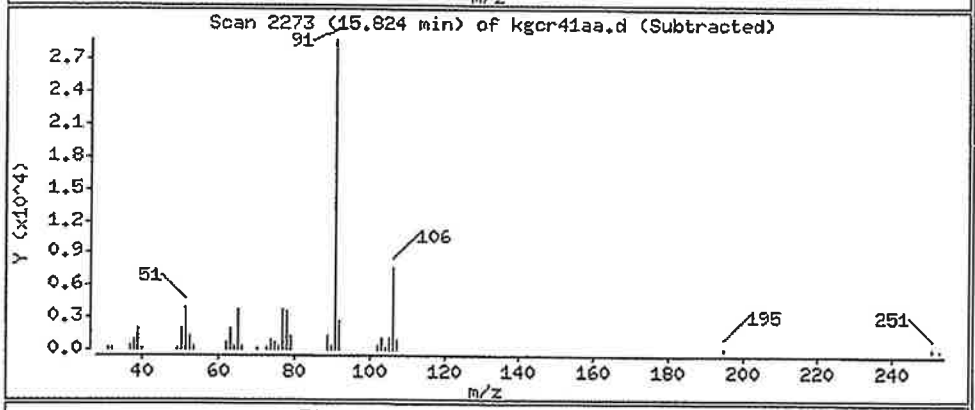
Column diameter: 0.32

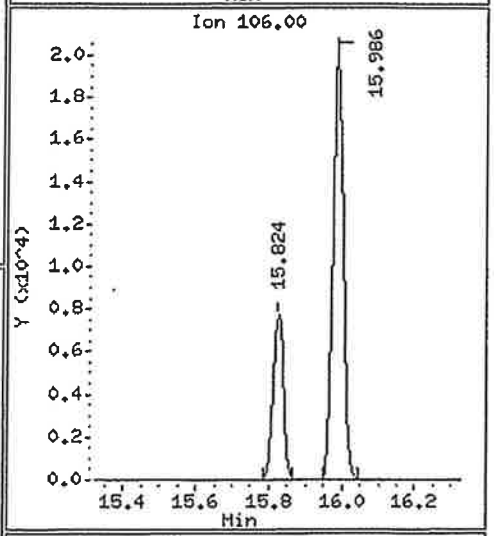
70 Ethylbenzene

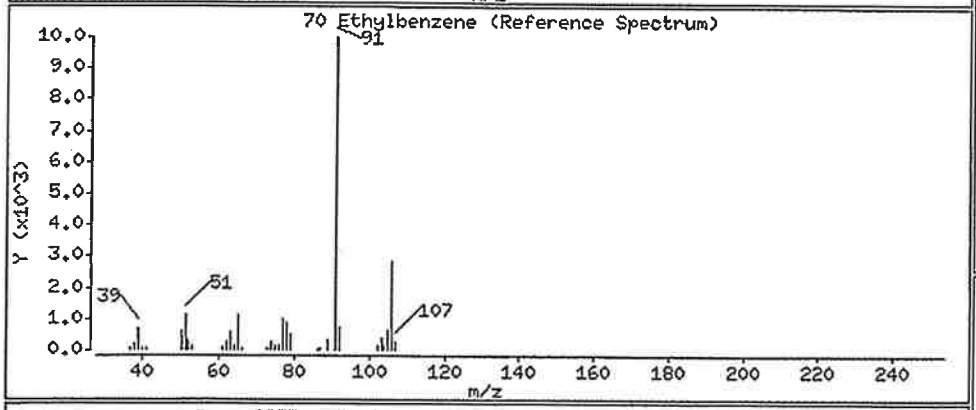
Concentration: 0.2220 ppb(v/v)

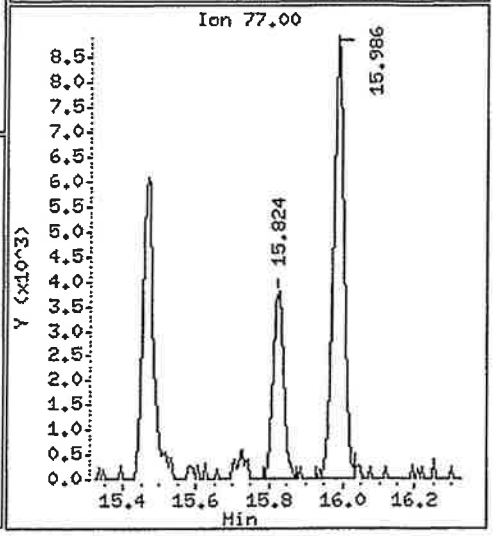


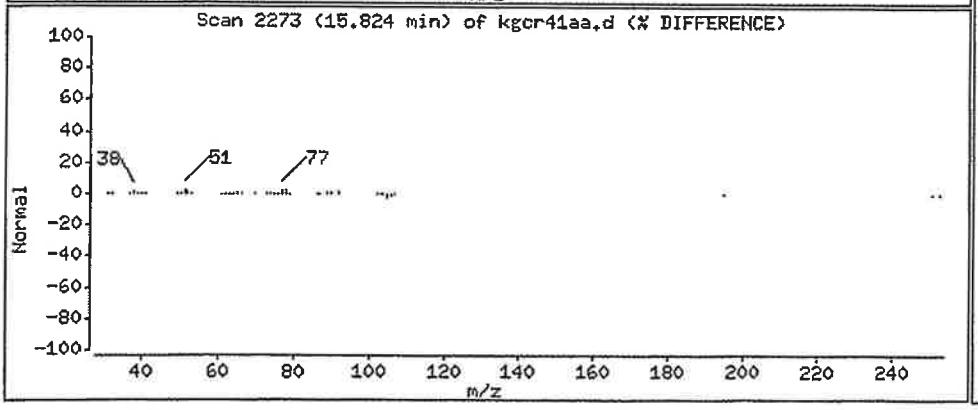












Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d

Date : 01-FEB-2008 13:53

Client ID: FIRST FLOOR

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

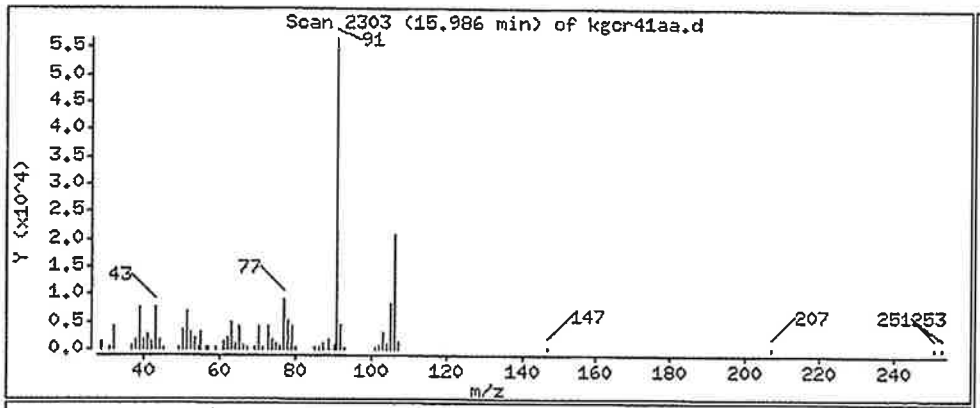
Operator: 7126

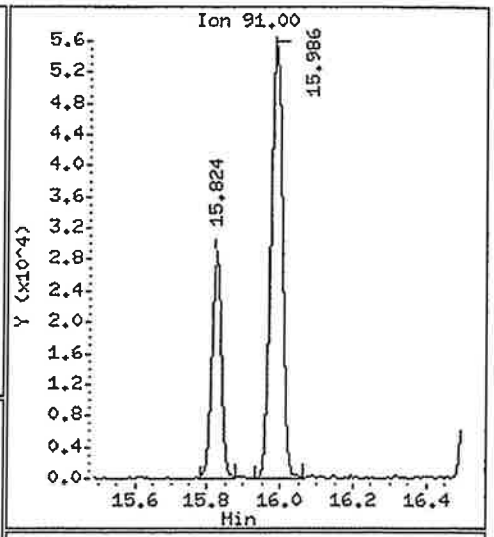
Column phase: HP-5

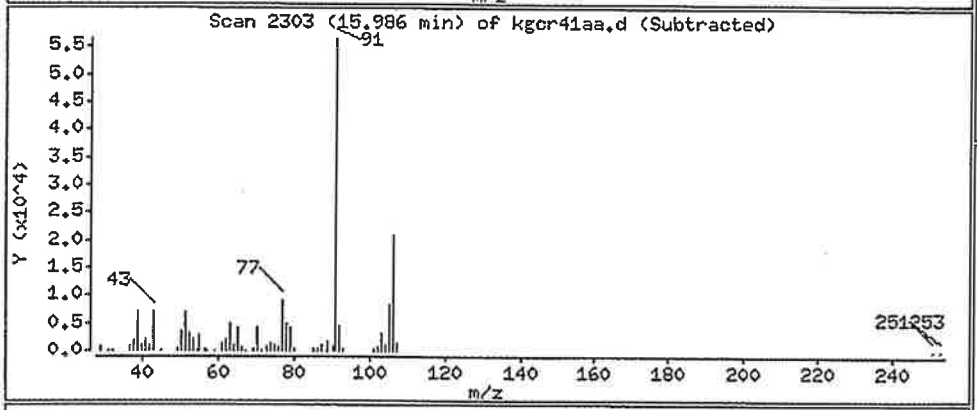
Column diameter: 0.32

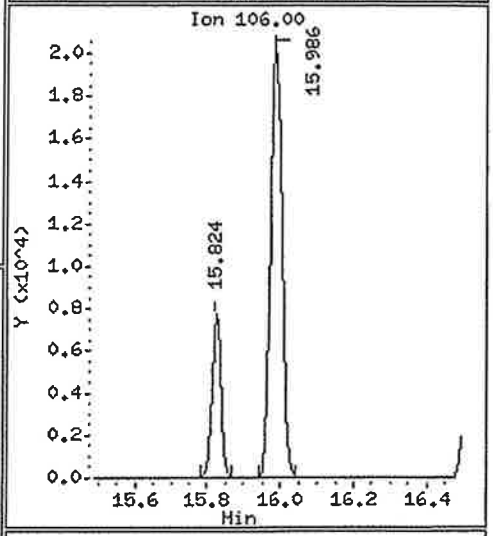
71 m&p-Xylene

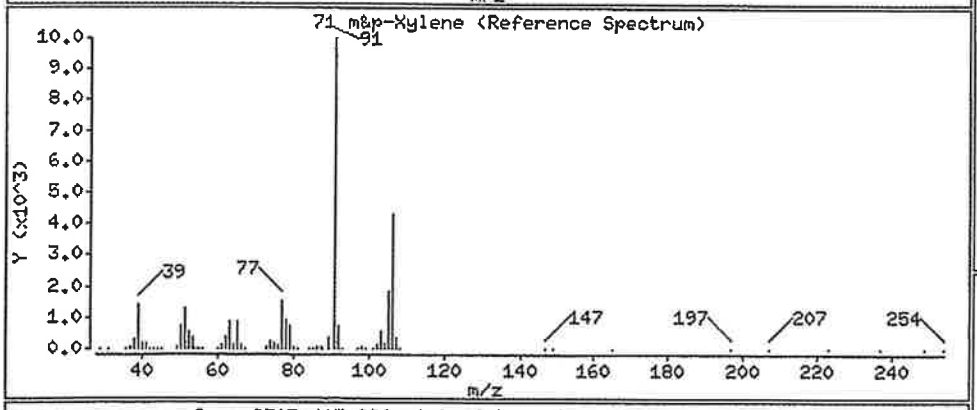
Concentration: 0.6188 ppb(v/v)

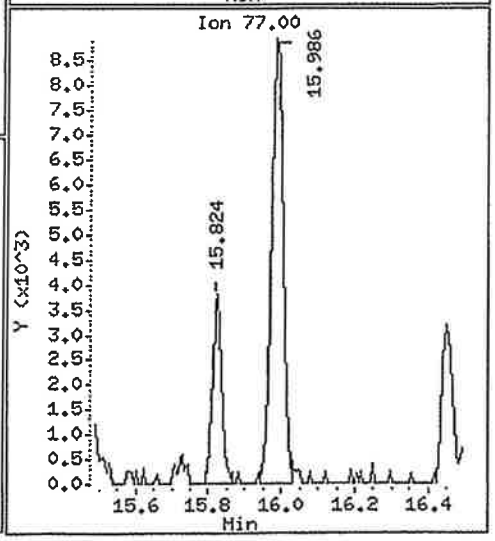


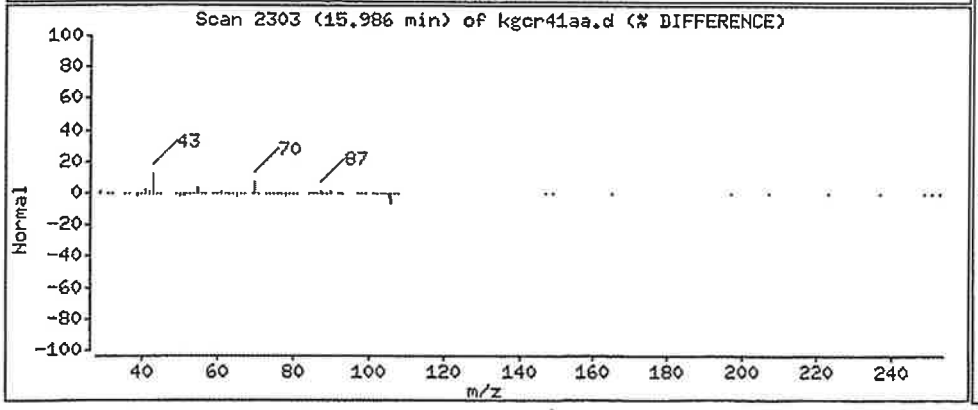












Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d

Date : 01-FEB-2008 13:53

Client ID: FIRST FLOOR

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

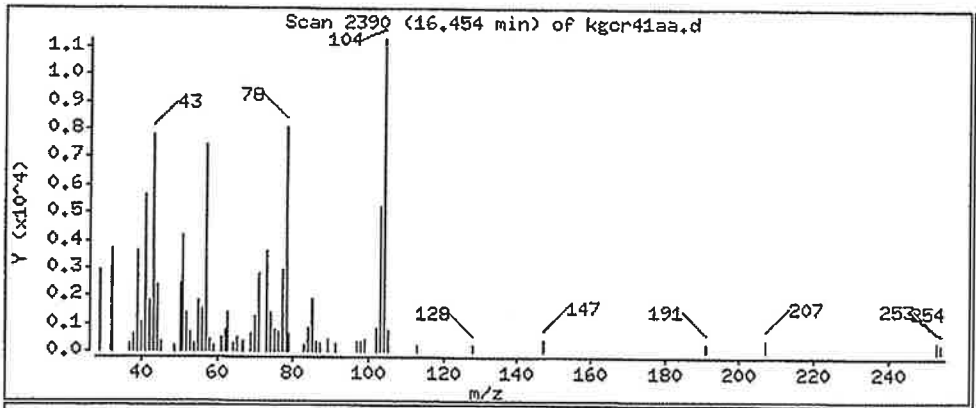
Operator: 7126

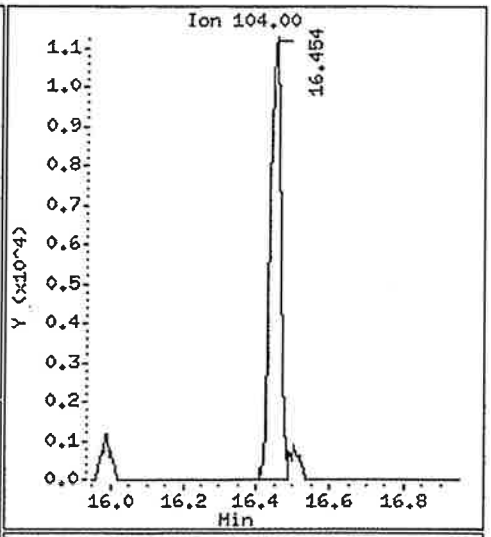
Column phase: HP-5

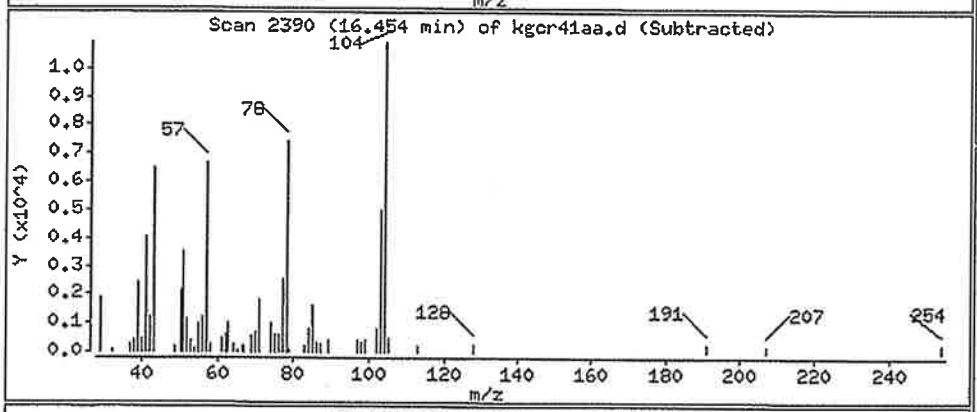
Column diameter: 0.32

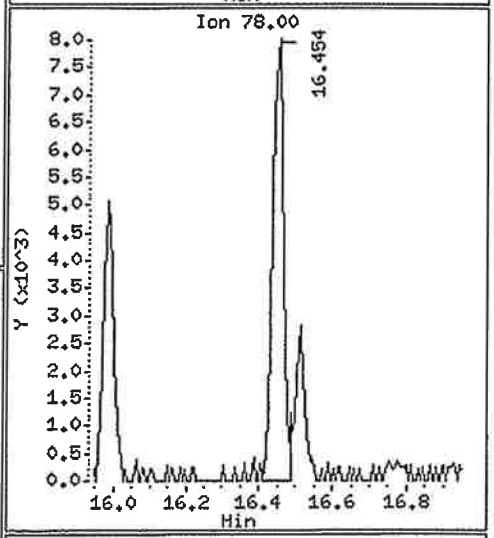
74 Styrene

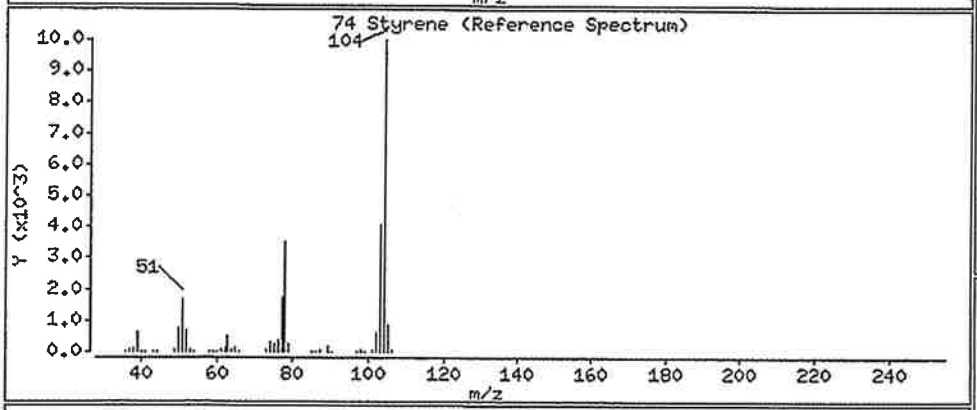
Concentration: 0.1747 ppb(v/v)

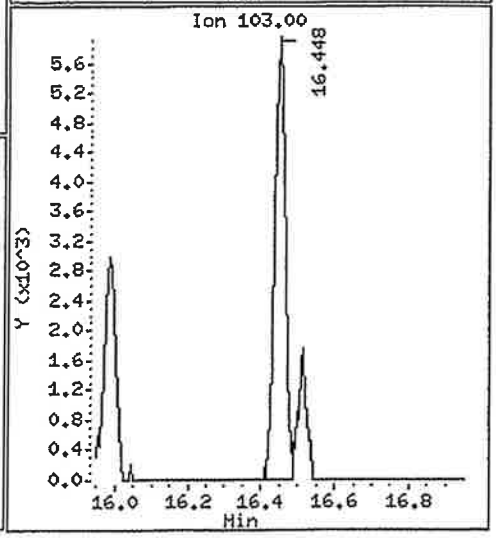


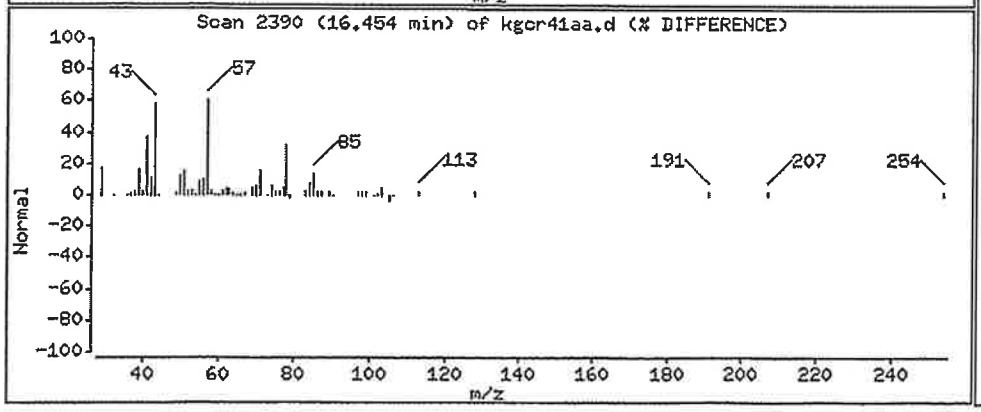












Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d

Date : 01-FEB-2008 13:53

Client ID: FIRST FLOOR

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

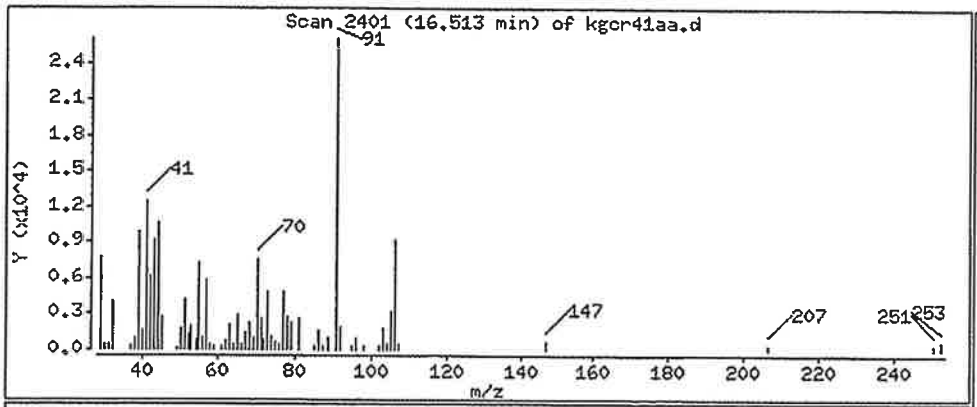
Operator: 7126

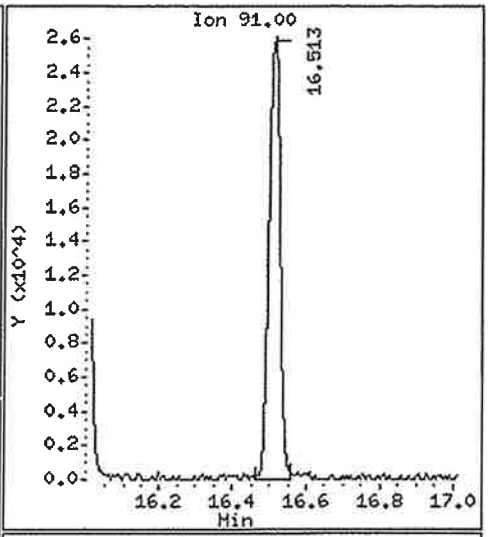
Column phase: HP-5

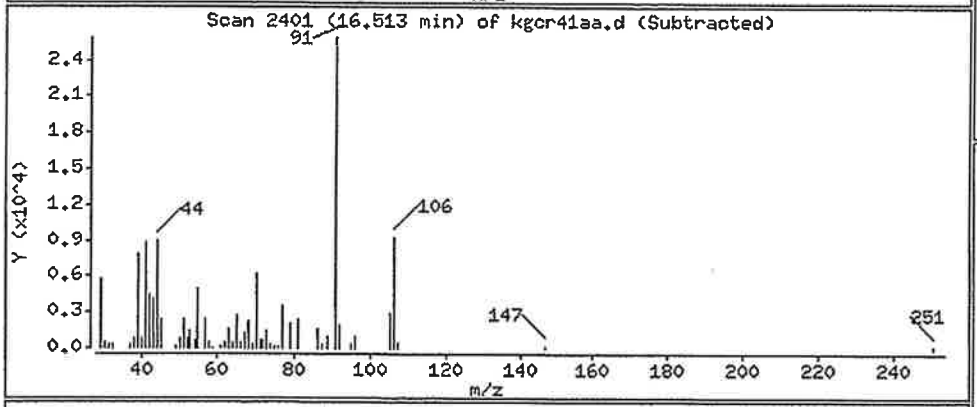
Column diameter: 0.32

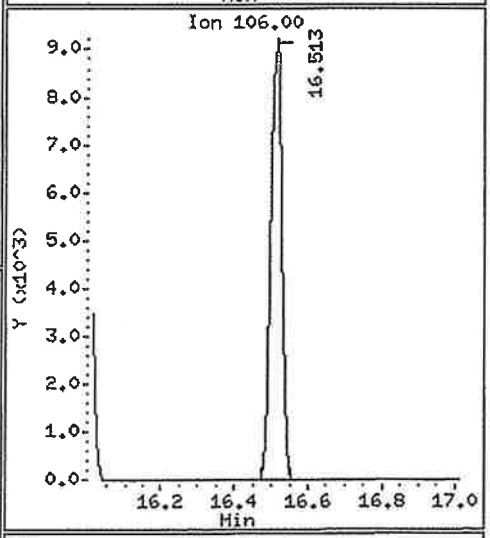
75 o-Xylene

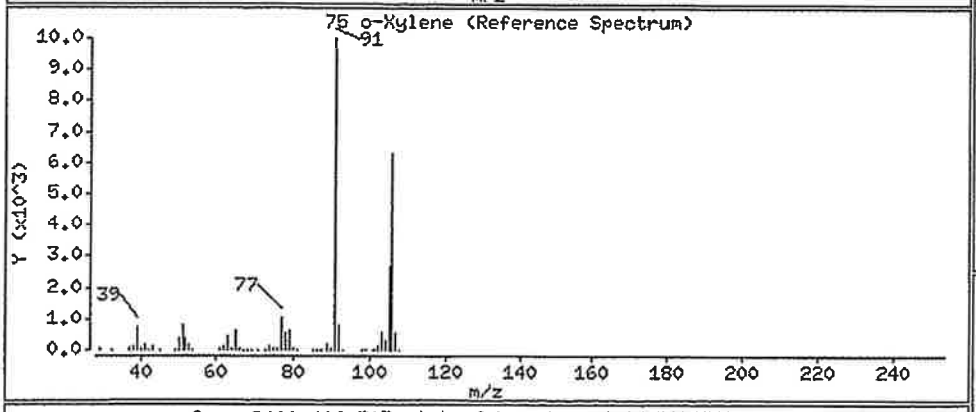
Concentration: 0.2351 ppb(v/v)

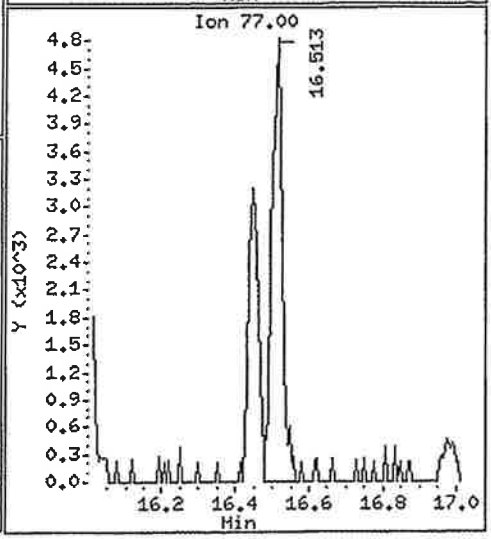


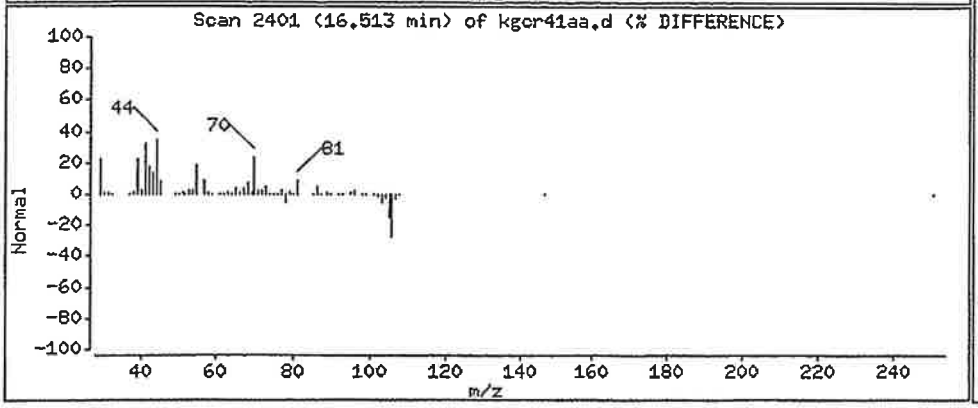












Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d

Date : 01-FEB-2008 13:53

Client ID: FIRST FLOOR

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

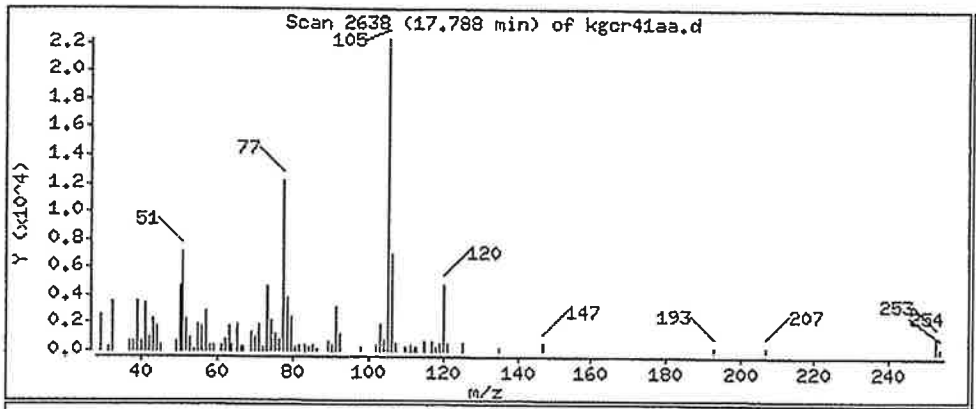
Operator: 7126

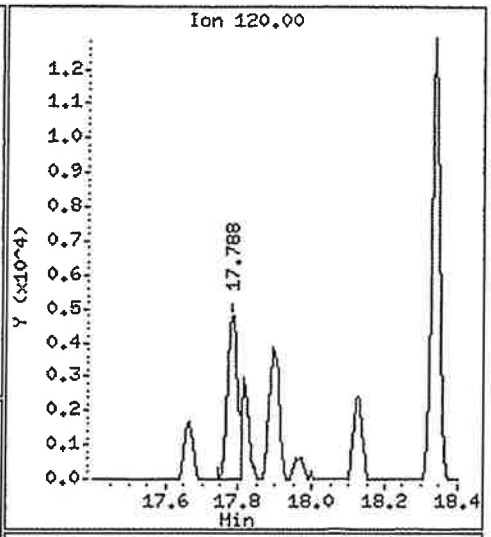
Column phase: HP-5

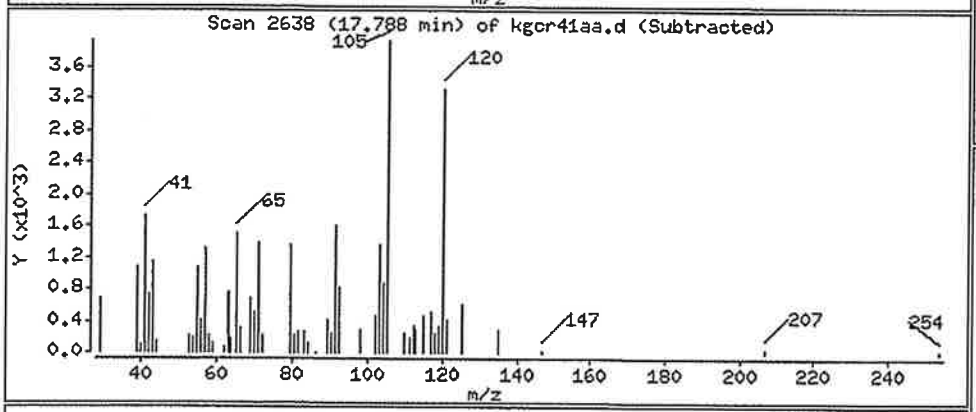
Column diameter: 0.32

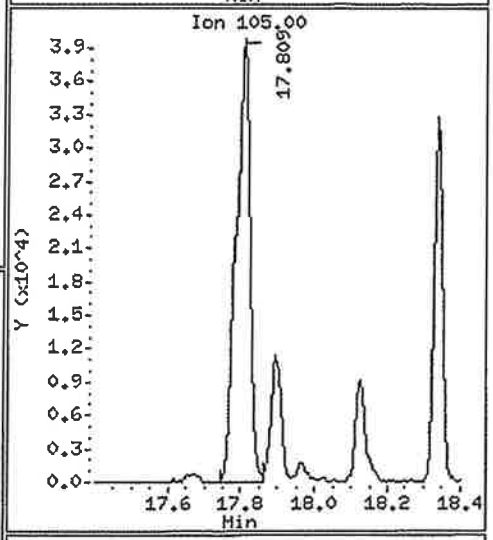
84 1,3,5-Trimethylbenzene

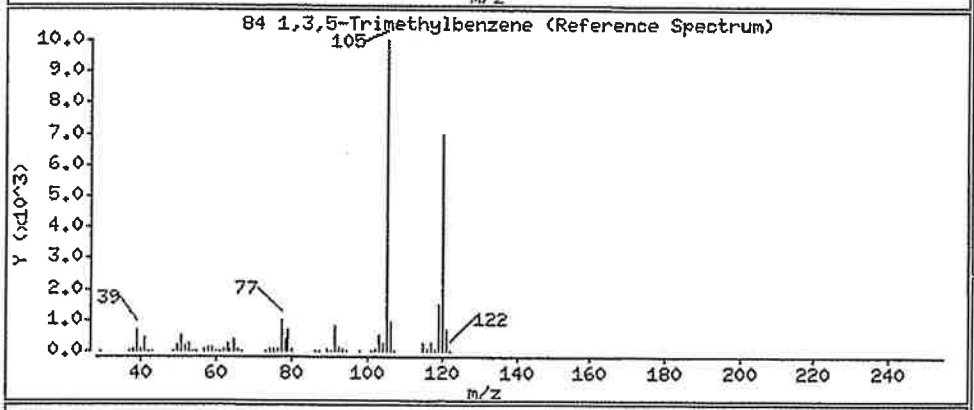
Concentration: 0.1120 ppb(v/v)

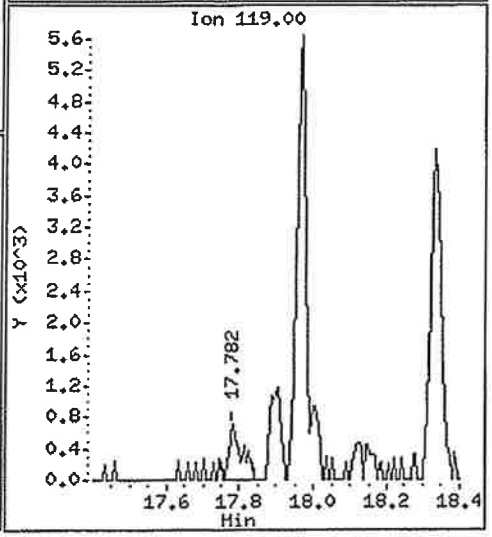


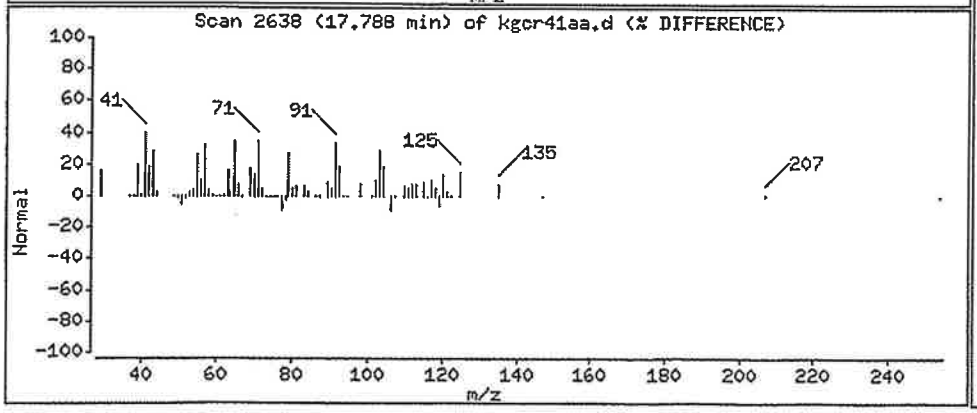












Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d

Date : 01-FEB-2008 13:53

Client ID: FIRST FLOOR

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

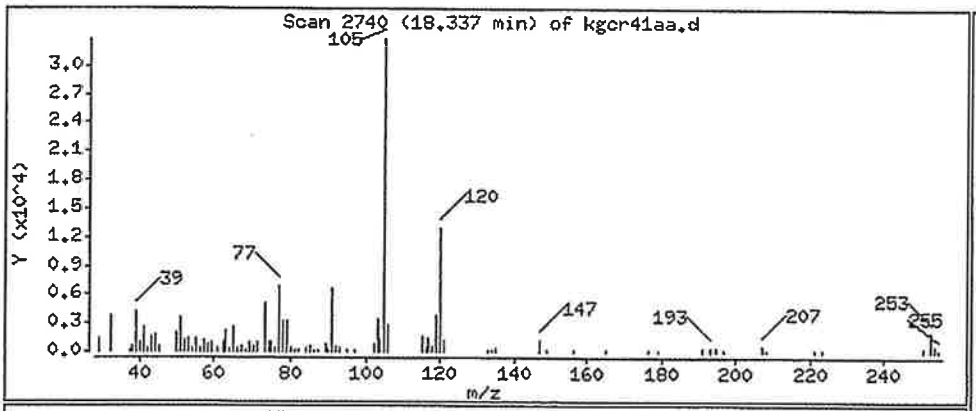
Operator: 7126

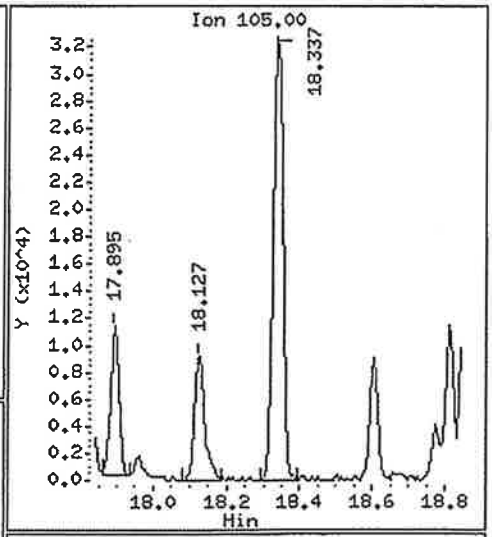
Column phase: HP-5

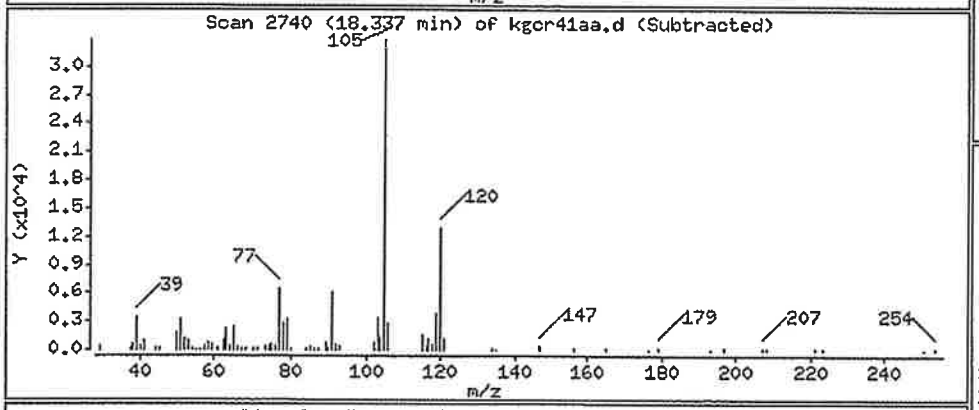
Column diameter: 0.32

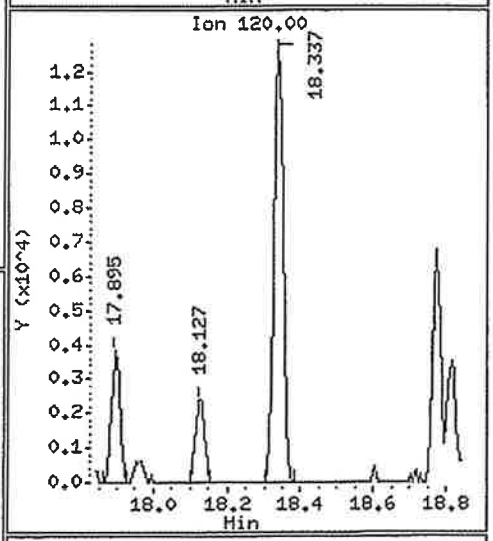
89 1,2,4-Trimethylbenzene

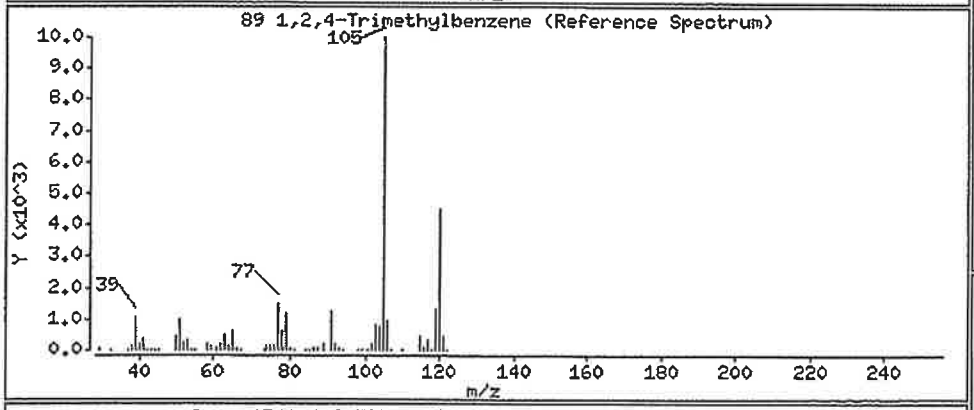
Concentration: 0.2509 ppb(v/v)

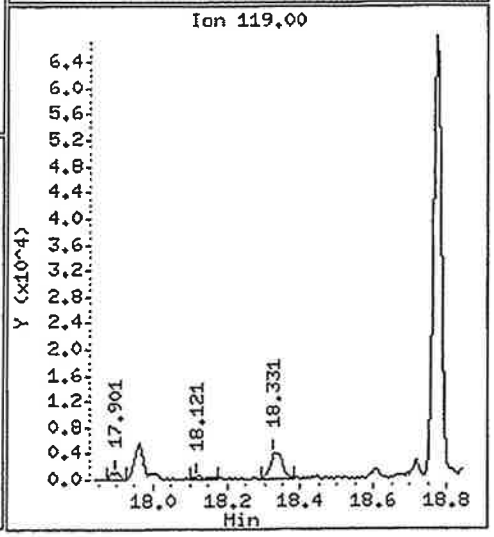


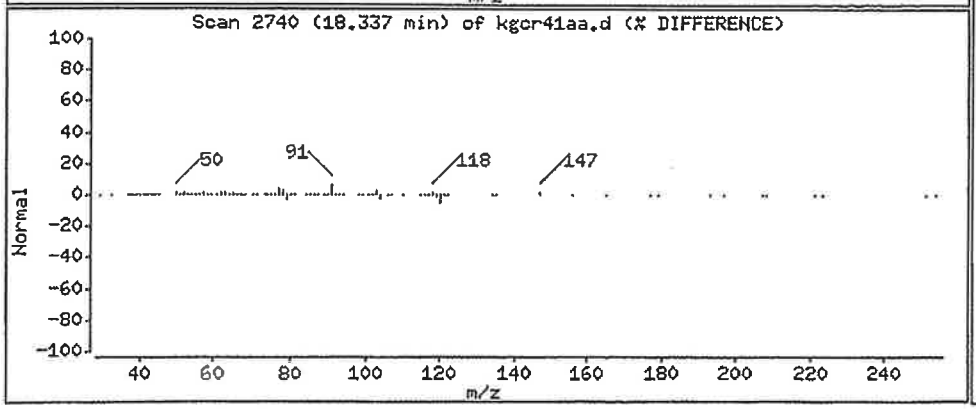












Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d

Date : 01-FEB-2008 13:53

Client ID: FIRST FLOOR

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

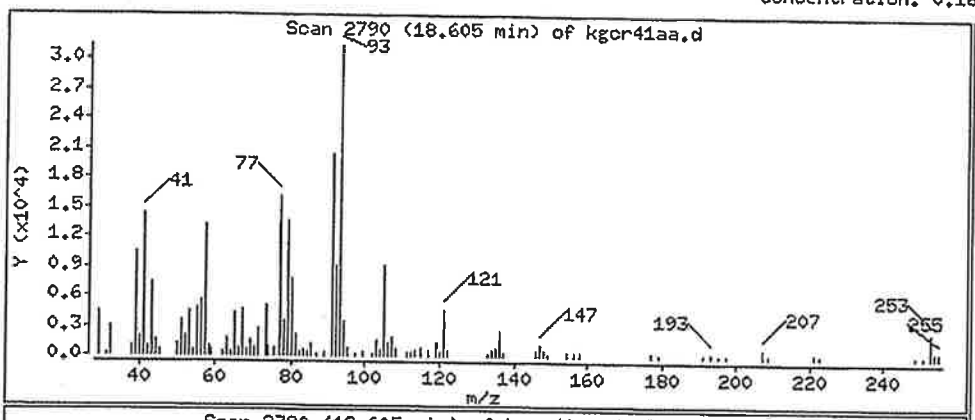
Operator: 7126

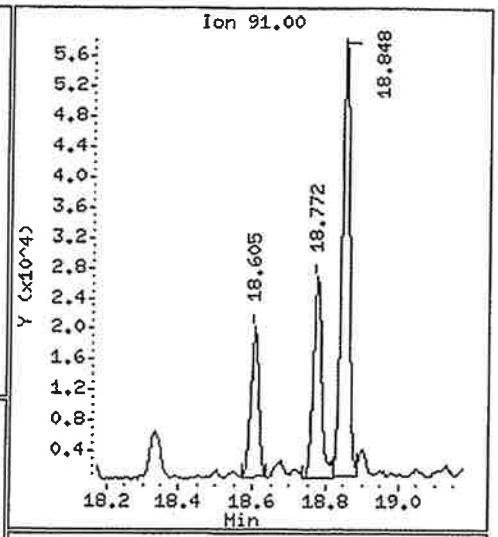
Column phase: HP-5

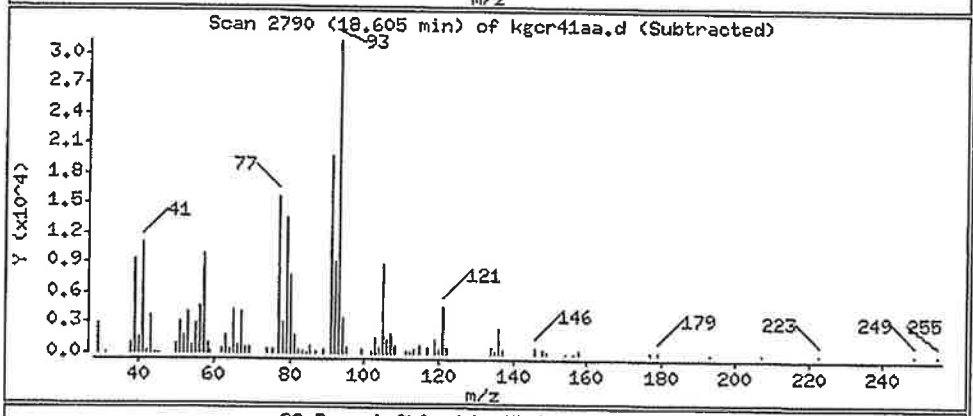
Column diameter: 0.32

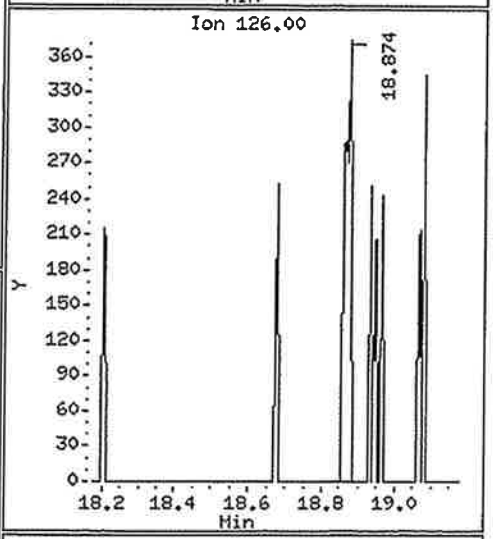
92 Benzyl Chloride

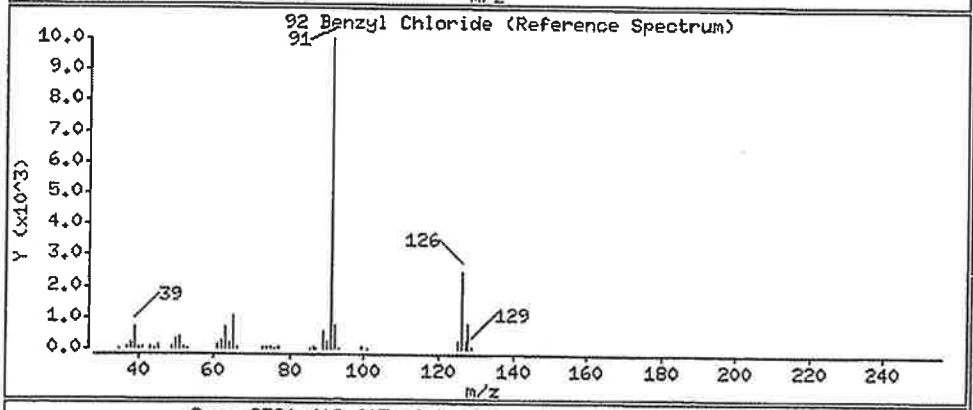
Concentration: 0.1609 ppb(v/v)

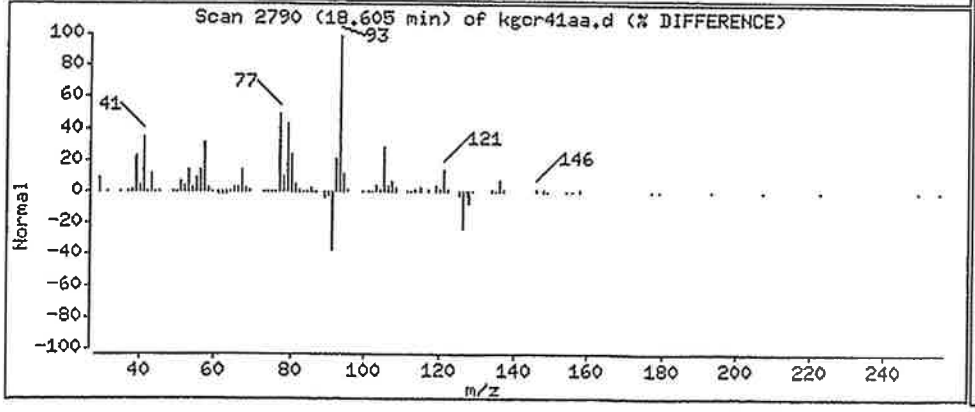


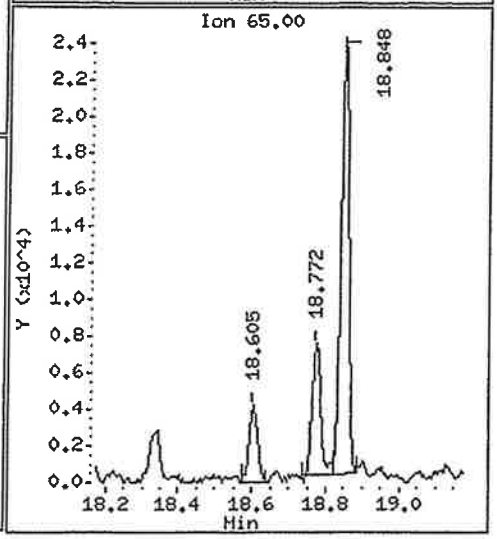












Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d

Date : 01-FEB-2008 13:53

Client ID: FIRST FLOOR

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

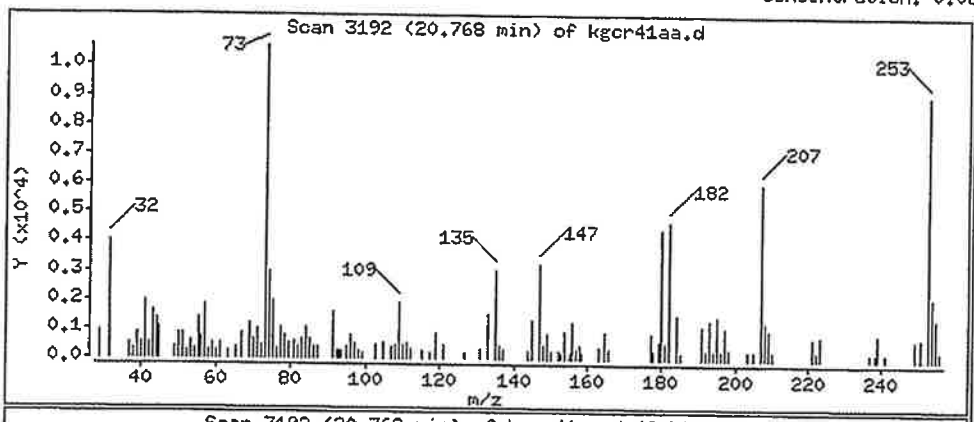
Operator: 7126

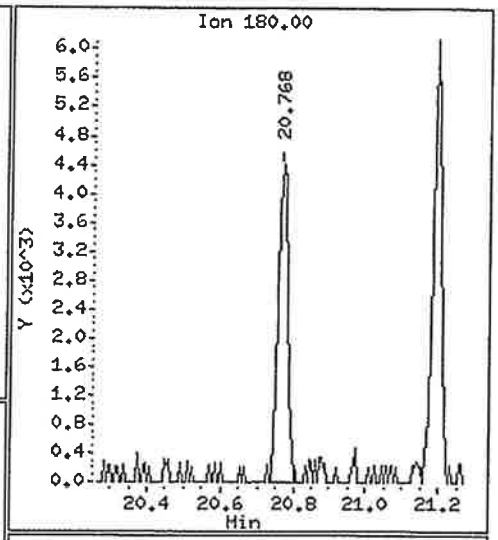
Column phase: HP-5

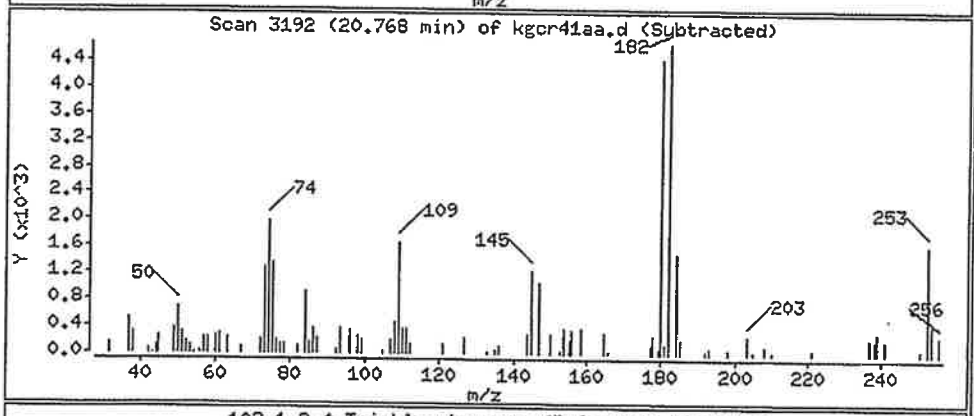
Column diameter: 0.32

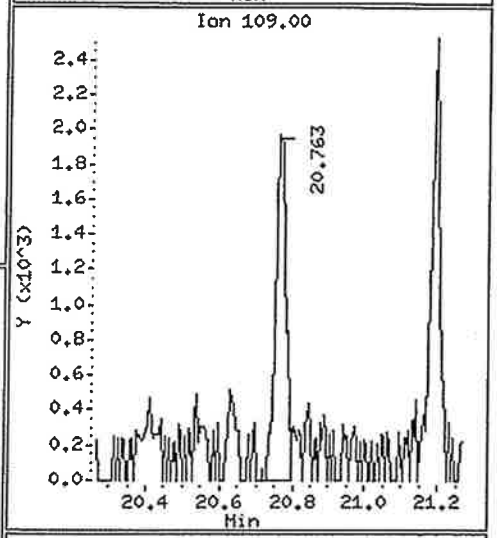
102 1,2,4-Trichlorobenzene

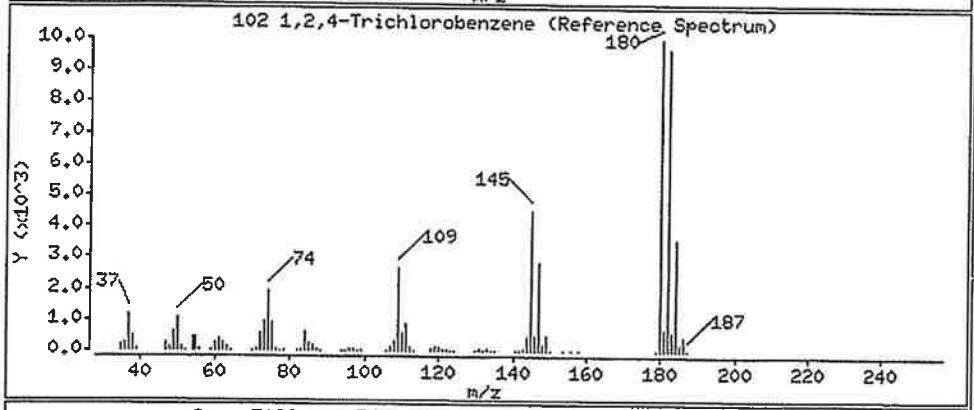
Concentration: 0.08917 ppb(v/v)

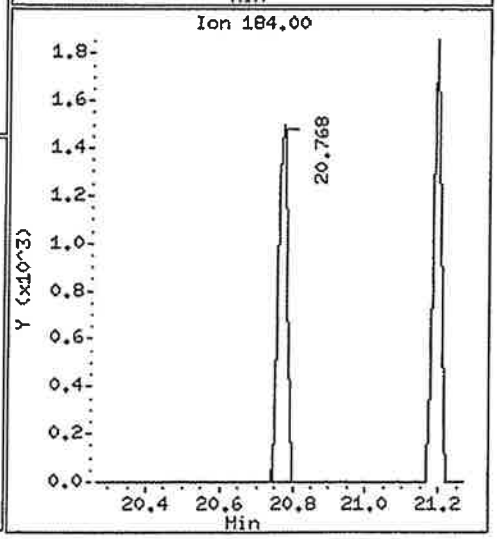


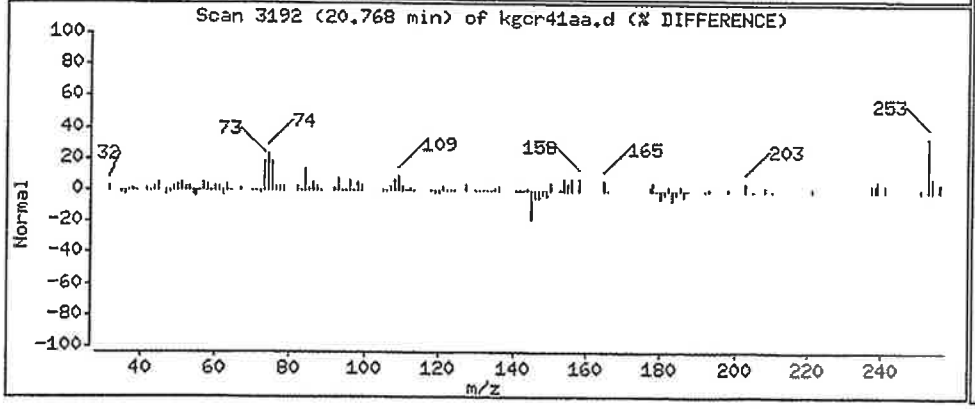












Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d
Report Date: 04-Feb-2008 10:58

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/me.i/E020108.b/kgcr41aa.d
Lab Smp Id: KGCR41AA Client Smp ID: FIRST FLOOR
Inj Date : 01-FEB-2008 13:53
Operator : 7126 Inst ID: me.i
Smp Info : ,,0,,,
Misc Info : E020108,TO155,korkay.sub,,500 ML
Comment :
Method : /var/chem/gcms/me.i/E020108.b/TO155.m
Meth Date : 04-Feb-2008 10:56 layk Quant Type: ISTD
Cal Date : 16-JAN-2008 18:51 Cal File: eica169r.d
Als bottle: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: korkay.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	default calibration
Vo	500.00000	default sample volume

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 Bromochloromethane	8.508	565294	4.000
* 3 Chlorobenzene-d5	15.469	1392304	4.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ppb(v/v))	FINAL(ppb(v/v))	QUAL	LIBRARY	LIB ENTRY	CPND #
Methyl nitrite			CAS #: 624-91-9				
3.860	207834	1.47062590	1.471	50	NIST05.1	307	1 N/A
Ethane, 1-chloro-1,1-difluoro-			CAS #: 75-68-3				
3.908	1185638	8.38953182	8.390	74	NIST05.1	3493	1

KM 2-4-08

Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d
Report Date: 04-Feb-2008 10:58

RT	HEIGHT	CONCENTRATIONS ON-COL(ppb(v/v))	CONCENTRATIONS FINAL(ppb(v/v))	QUAL	QUANT LIBRARY	QUANT LIB ENTRY	CPND #
Methyl alcohol				CAS #: 67-56-1			
4.059	3877455	27.4367320	27.44	4	NIST05.1	30	1
Butane				CAS #: 106-97-8			
4.783	1222787	8.65239681	8.652	72	NIST05.1	227	1
Ethane				CAS #: 74-84-0			
4.420	550826	3.89762495	3.898	5	NIST05.1	21	1
Ethyl alcohol				CAS #: 64-17-5			
4.705	22947922	162.378670	162.4	90	NIST05.1	95	1
Butane, 2-methyl-				CAS #: 78-78-4			
4.925	841787	5.95645452	5.956	76	NIST05.1	700	1
Acetone				CAS #: 67-64-1			
5.243	3680473	26.0428945	26.04	72	NIST05.1	209	1
2-Heptanol				CAS #: 543-49-7			
5.334	2116926	14.9792922	14.98	50	NIST05.1	8084	1
1,3-Pentadiene				CAS #: 504-60-9			
5.538	397552	2.81306364	2.813	97	NIST05.1	428	1
Dimethyl sulfide				CAS #: 75-18-3			
5.807	278889	1.97340853	1.973	95	NIST05.1	329	1
1-Propanol				CAS #: 71-23-8			
6.738	351781	2.48918970	2.489	86	NIST05.1	283	1
2,3-Butanedione				CAS #: 431-03-8			
7.529	167067	1.18216008	1.182	64	NIST05.1	1634	1
Ethyl Acetate				CAS #: 141-78-6			
8.427	477201	3.37665710	3.377	90	NIST05.1	1981	1
Hexanal				CAS #: 66-25-1			
14.248	451349	1.29669670	1.297	53	NIST05.1	3690	3
Acetic acid, butyl ester				CAS #: 123-86-4			
14.582	355004	1.01990370	1.020	83	NIST05.1	7885	3
1R-.alpha.-Pinene				CAS #: 7785-70-8			
17.347	631158	1.81327641	1.813	96	NIST05.1	15188	3

NA

NA

VM 2-4-08

Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d
Report Date: 04-Feb-2008 10:58

RT	HEIGHT	CONCENTRATIONS ON-COL(ppb(v/v))	FINAL(ppb(v/v))	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Cobalt, (2-methyl-.eta.-3-propenyl)-(pen				CAS #: 1000157-04-3			
17.965	402293	1.15576196	1.156	80	NIST05.1	91248	3
Cyclohexene, 1-methyl-4-(1-methylethenyl				CAS #: 7705-14-8			
18.848	1339946	3.84957883	3.850	93	NIST05.1	15372	3
Benzeneacetic acid, trimethylsilyl ester				CAS #: 2078-18-4			
19.988	1075582	3.09007803	3.090	17	NIST05.1	62580	3

N/A

KM 2-4-08

Data File: /var/chem/gcms/me.i/E020108.b/kgcr41aa.d

Date : 01-FEB-2008 13:53

Client ID: FIRST FLOOR

Instrument: me.i

Sample Info: ,,0,,,

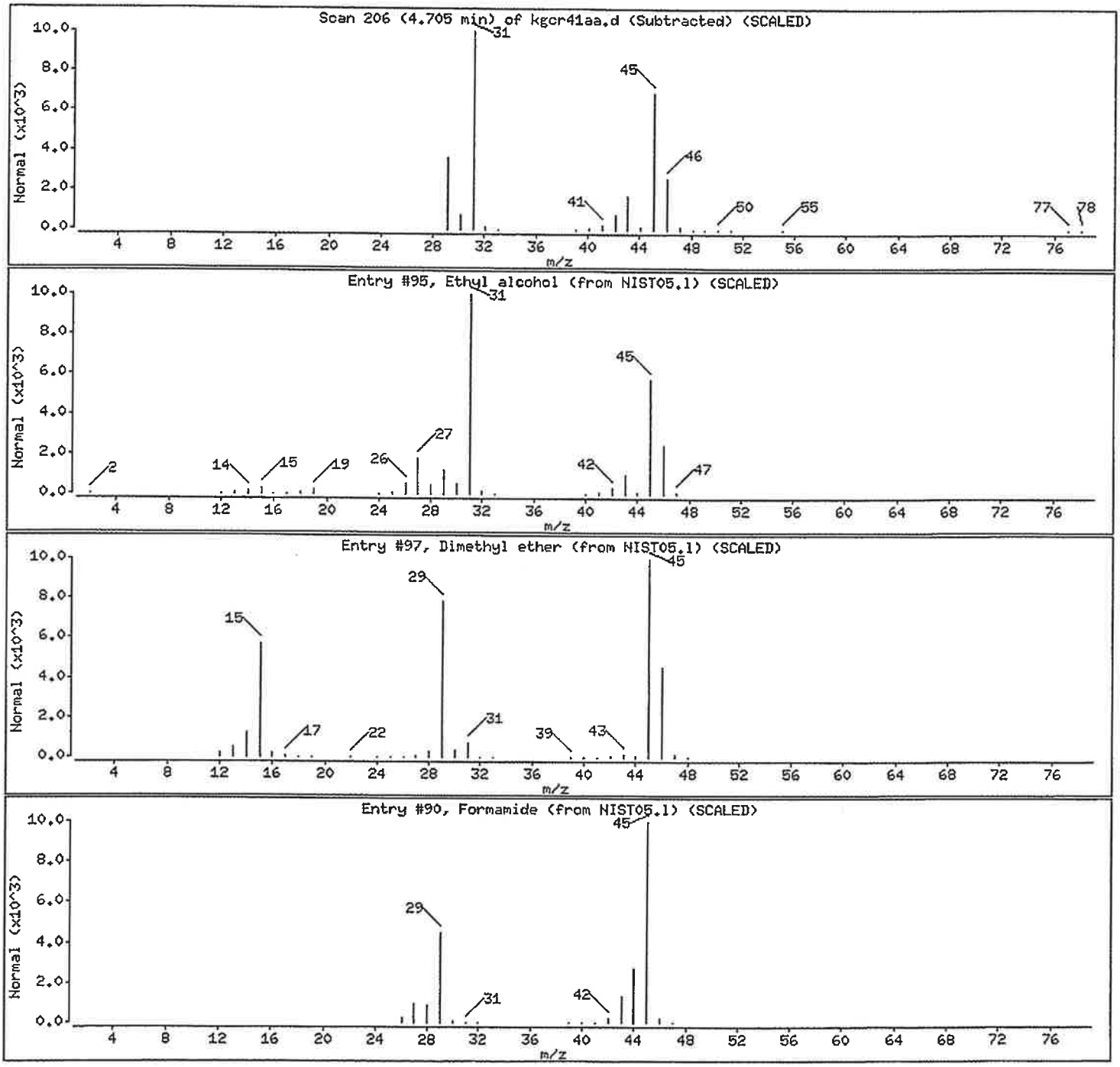
Purge Volume: 500.0

Operator: 7126

Column phase: HP-5

Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyl alcohol	64-17-5	NIST05.l	95	90	C2H6O	46
Dimethyl ether	115-10-6	NIST05.l	97	4	C2H6O	46
Formamide	75-12-7	NIST05.l	90	4	CH3NO	45



New York State D.E.C.

Client Sample ID: BACKYARD

GC/MS Volatiles

Lot-Sample # H8A310110 - 003 **Work Order #** KGCR61AA **Matrix.....:** AIR

Date Sampled...: 1/30/08
Prep Date.....: 2/1/08
Prep Batch #.....: 8035067
Dilution Factor.: 1

Date Received..: 1/31/08
Analysis Date... 2/1/08

Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethylbenzene	ND	0.080	ND	0.35
Trichlorofluoromethane	**0.36**	**0.080**	**2.0**	**0.45**
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	**0.22**	**0.20**	**0.76**	**0.70**
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	**0.27**	**0.20**	**0.94**	**0.69**
Benzene	**0.49**	**0.080**	**1.6**	**0.26**
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	**0.086**	**0.080**	**0.58**	**0.54**
Toluene	**0.55**	**0.080**	**2.1**	**0.30**
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	**1.2**	**0.040**	**6.6**	**0.21**
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	ND	0.080	ND	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	**0.11**	**0.080**	**0.81**	**0.61**
m-Xylene & p-Xylene	**0.19**	**0.080**	**0.81**	**0.35**
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	**1.5**	**0.16**	**4.4**	**0.47**
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	**0.13**	**0.040**	**0.79**	**0.25**
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	**0.62**	**0.20**	**1.3**	**0.41**

New York State D.E.C.

Client Sample ID: BACKYARD

GC/MS Volatiles

Lot-Sample # H8A310110 - 003 **Work Order #** KGCR61AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	ND	0.20	ND	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	**0.67**	**0.080**	**3.3**	**0.40**
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	**0.096**	**0.080**	**0.38**	**0.32**
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
Ethyl alcohol	4.4	ppb(v/v)

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	116	70 - 130
Toluene-d8	106	70 - 130
4-Bromofluorobenzene	101	70 - 130

Qualifiers

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/me.i/E020108.b/kgcr61aa.d
Report Date: 04-Feb-2008 10:06

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/me.i/E020108.b/kgcr61aa.d
Lab Smp Id: KGCR61AA Client Smp ID: BACKYARD
Inj Date : 01-FEB-2008 14:36
Operator : 7126 Inst ID: me.i
Smp Info : ,,0,,,
Misc Info : E020108,TO155,korkay.sub,,500 ML
Comment :
Method : /var/chem/gcms/me.i/E020108.b/TO155.m
Meth Date : 04-Feb-2008 10:05 layk Quant Type: ISTD
Cal Date : 16-JAN-2008 18:51 Cal File: eica169r.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: korkay.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	default calibration
Vo	500.00000	default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.502	8.502	(1.000)	119134	4.00000	4.000
* 2 1,4-Difluorobenzene	114	10.697	10.697	(1.000)	611593	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.469	15.469	(1.000)	545800	4.00000	4.000
$ 4 1,2-Dichloroethane-d4	67	9.482	9.482	(0.886)	243158	4.64730	4.647
$ 5 Toluene-d8	98	13.371	13.376	(0.864)	681075	4.22177	4.222
$ 6 4-Bromofluorobenzene	95	17.120	17.126	(1.107)	563988	4.04344	4.043
9 Dichlorodifluoromethane	85	3.774	3.774	(0.444)	132443	0.67456	0.6746
10 Chloromethane	52	3.935	3.935	(0.463)	10526	0.61973	0.6197
20 Trichlorofluoromethane	101	5.119	5.119	(0.602)	65277	0.35748	0.3575
30 1,1,2-Trichlorotrifluoroethane	101	5.952	5.953	(0.700)	9274	0.10545	0.1054
31 Methylene Chloride	84	6.092	6.087	(0.717)	11702	0.27072	0.2707
39 Hexane	56	7.841	7.841	(0.922)	10211	0.21623	0.2162
40 2-Butanone	72	7.825	7.819	(0.920)	28796	1.50493	1.505
41 cis 1,2-Dichloroethene	96	8.201	8.196	(0.965)	3741	0.09632	0.09632
47 Benzene	78	10.127	10.122	(0.947)	71877	0.48971	0.4897
50 Carbon Tetrachloride	117	10.149	10.149	(0.949)	18138	0.12621	0.1262

Data File: /var/chem/gcms/me.i/E020108.b/kgcr61aa.d
Report Date: 04-Feb-2008 10:06

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
54 Trichloroethene	130	11.397	11.402	(1.065)	56255	1.21962	1.220
62 Toluene	91	13.484	13.489	(0.872)	86928	0.54905	0.5490
63 1,1,2-Trichloroethane	97	13.387	13.559	(0.865)	77139	1.70098	~~1.701~~
68 Tetrachloroethene	129	14.635	14.635	(0.946)	4128	0.08578	0.08578
70 Ethylbenzene	91	15.985	15.824	(1.033)	30391	0.13985	~~0.1398~~
71 m&p-Xylene	91	15.985	15.991	(1.033)	30474	0.18542	0.1854

2-4-08

Data File: /var/chem/gcms/me.i/E020108.b/kgcr61aa.d
Report Date: 04-Feb-2008 10:06

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: me.i
Lab File ID: kgcr61aa.d
Lab Smp Id: KGCR61AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/me.i/E020108.b/TO155.m
Misc Info: E020108,TO155,korkay.sub,,500 ML

Calibration Date: 01-FEB-2008
Calibration Time: 10:26
Client Smp ID: BACKYARD
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	131818	78432	185204	119134	-9.62
2 1,4-Difluorobenze	639780	380669	898891	611593	-4.41
3 Chlorobenzene-d5	594036	353451	834621	545800	-8.12

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.50	8.17	8.83	8.50	0.00
2 1,4-Difluorobenze	10.70	10.37	11.03	10.70	0.00
3 Chlorobenzene-d5	15.47	15.14	15.80	15.47	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /var/chem/gcms/me.i/E020108.b/kgcr61aa.d
Report Date: 04-Feb-2008 10:06

TestAmerica Knoxville

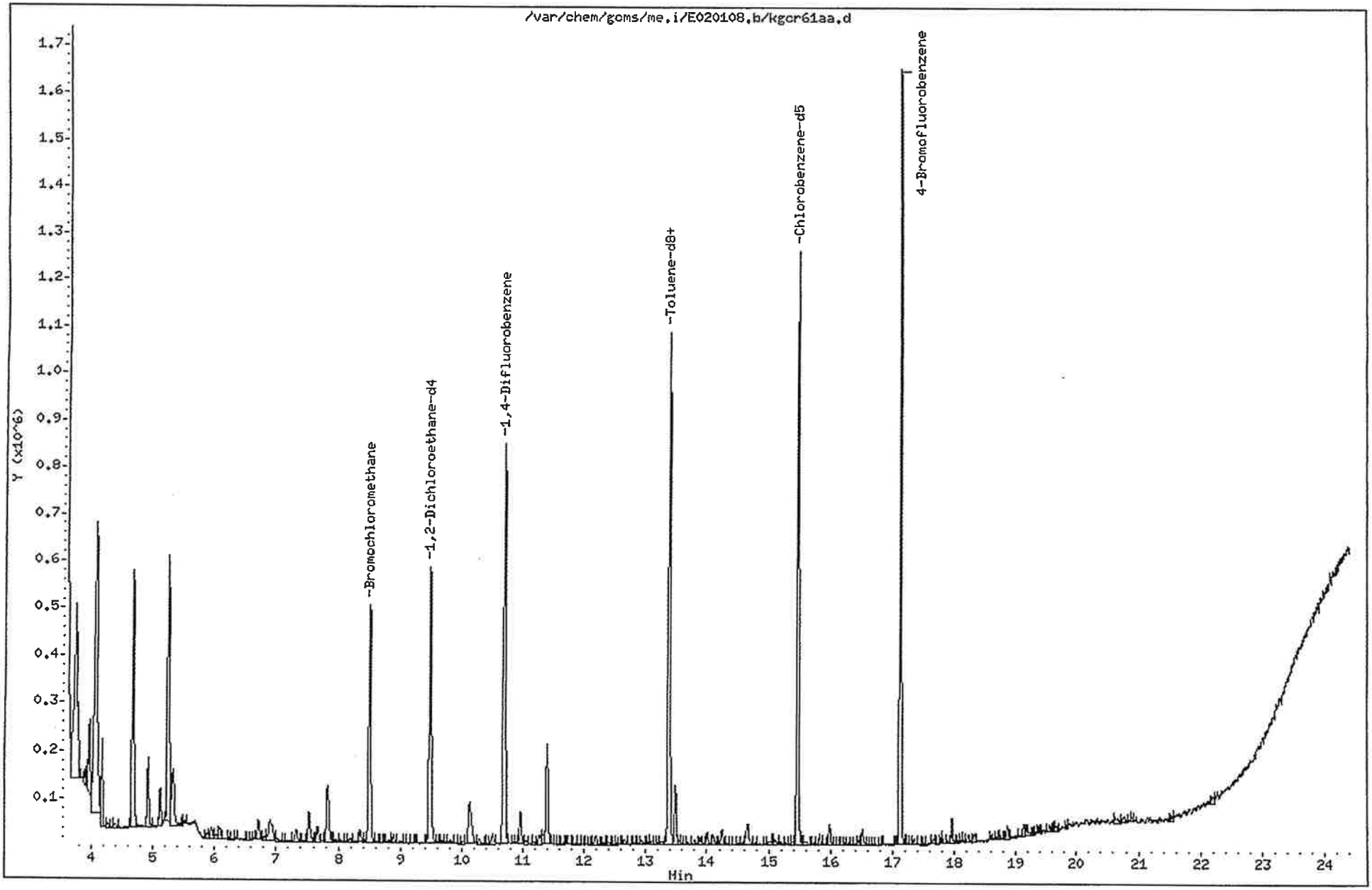
RECOVERY REPORT

Client Name: New York State D.E.C31-JAN-2008 00:00 Client SDG: H8A310110
Sample Matrix: GAS Fraction: OTHER
Lab Smp Id: KGCR61AA Client Smp ID: BACKYARD
Level: LOW Operator: 7126
Data Type: MS DATA SampleType: SAMPLE
SpikeList File: all.spk Quant Type: ISTD
Sublist File: korkay.sub
Method File: /var/chem/gcms/me.i/E020108.b/TO155.m
Misc Info: E020108,TO155,korkay.sub,,500 ML

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 1,2-Dichloroethane	4.000	4.647	116.18	70-130
$ 5 Toluene-d8	4.000	4.222	105.54	70-130
$ 6 4-Bromofluorobenze	4.000	4.043	101.09	70-130

Data File: /var/chem/goms/me.i/E020108.b/kgcr61aa.d
Date : 01-FEB-2008 14:36
Client ID: BACKYARD
Sample Info: ,,0,,,
Purge Volume: 500.0
Column phase: HP-5

Instrument: me.i
Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/me.i/E020108.b/kgcr61aa.d

Date : 01-FEB-2008 14:36

Client ID: BACKYARD

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

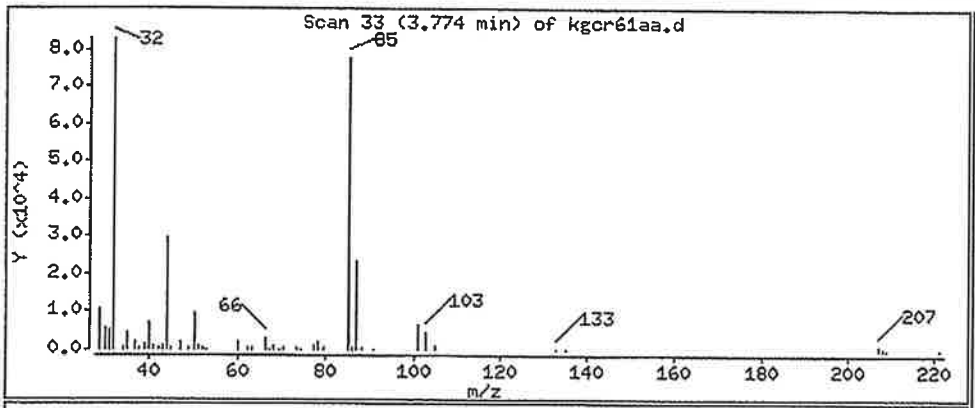
Operator: 7126

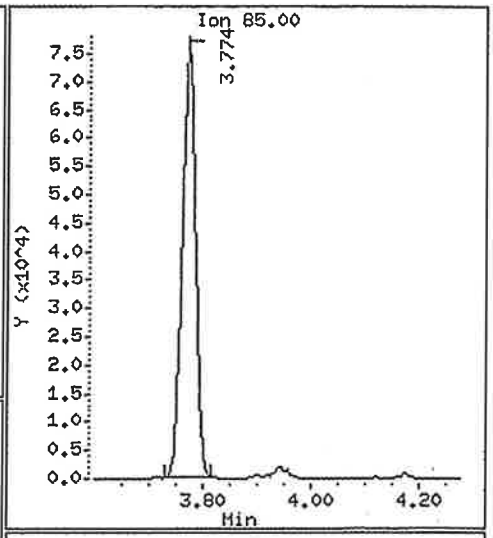
Column phase: HP-5

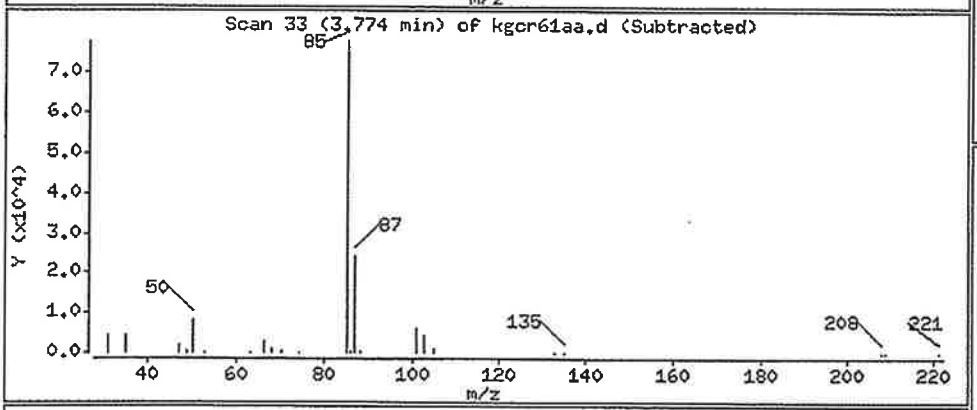
Column diameter: 0.32

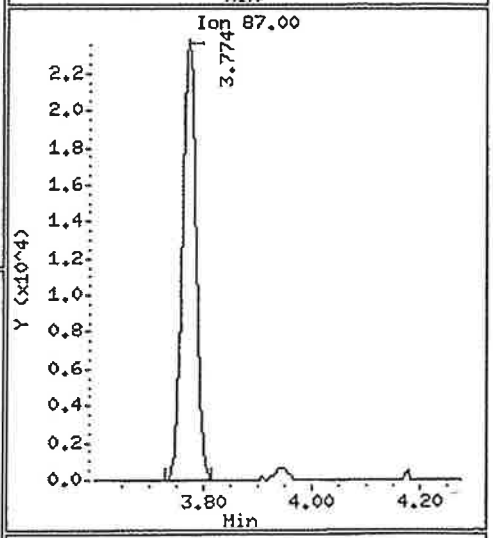
9 Dichlorodifluoromethane

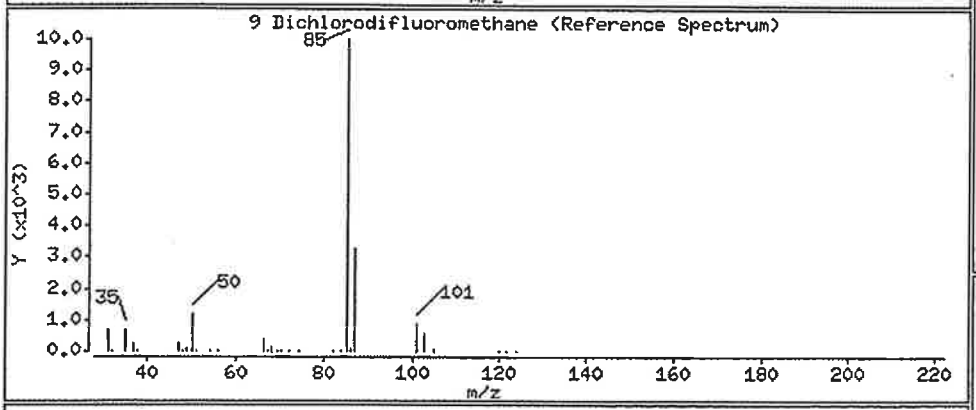
Concentration: 0.6746 ppb(v/v)

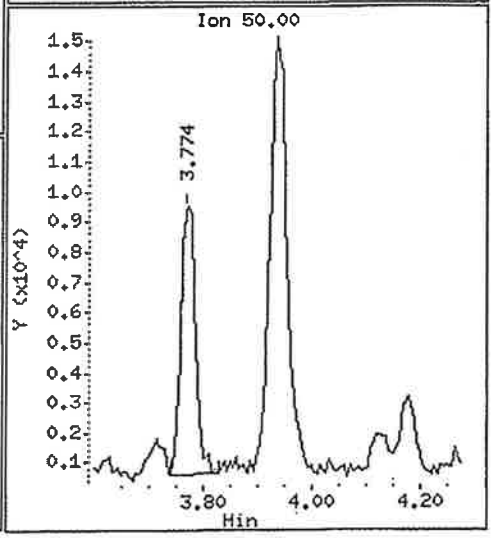


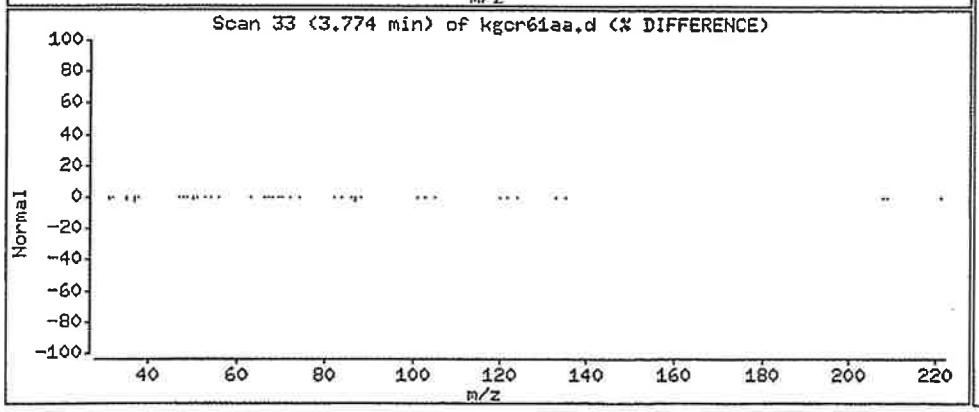












Data File: /var/chem/gcms/me.i/E020108.b/kgcr61aa.d

Date : 01-FEB-2008 14:36

Client ID: BACKYARD

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

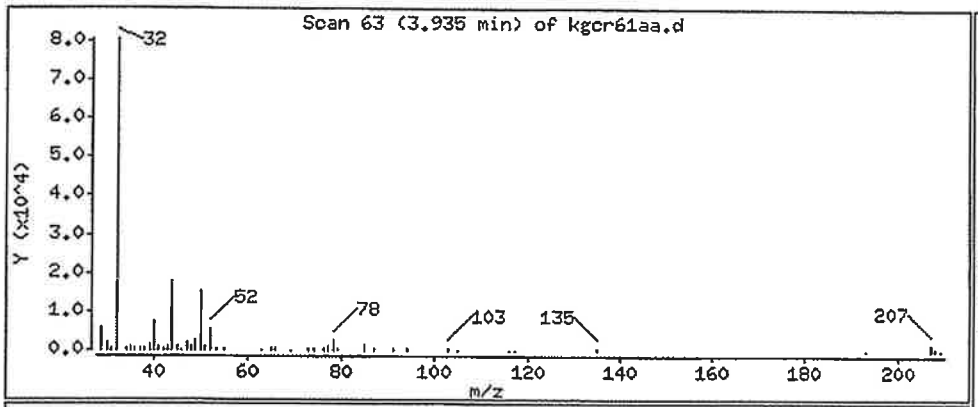
Operator: 7126

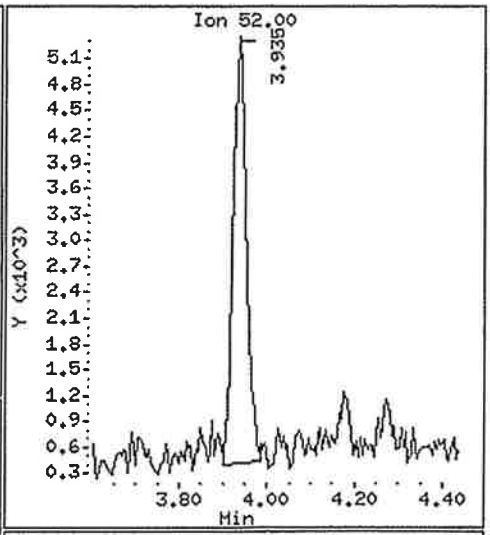
Column phase: HP-5

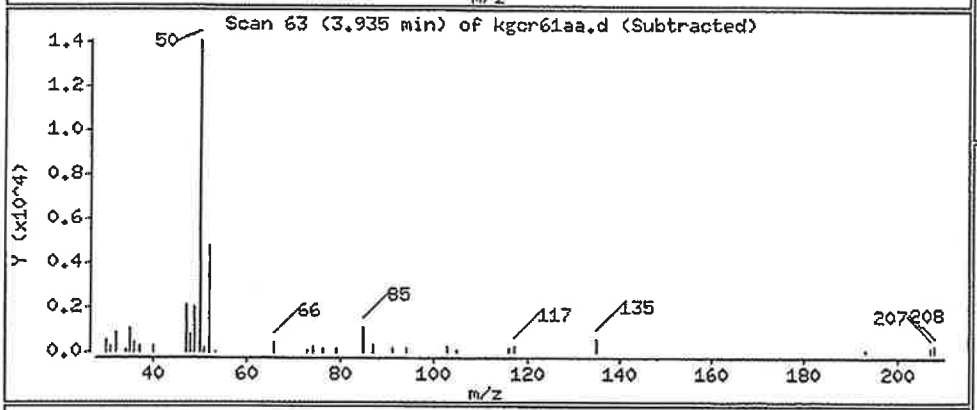
Column diameter: 0.32

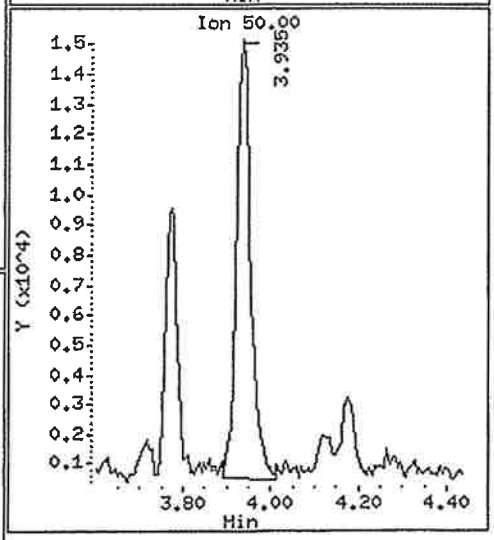
10 Chloromethane

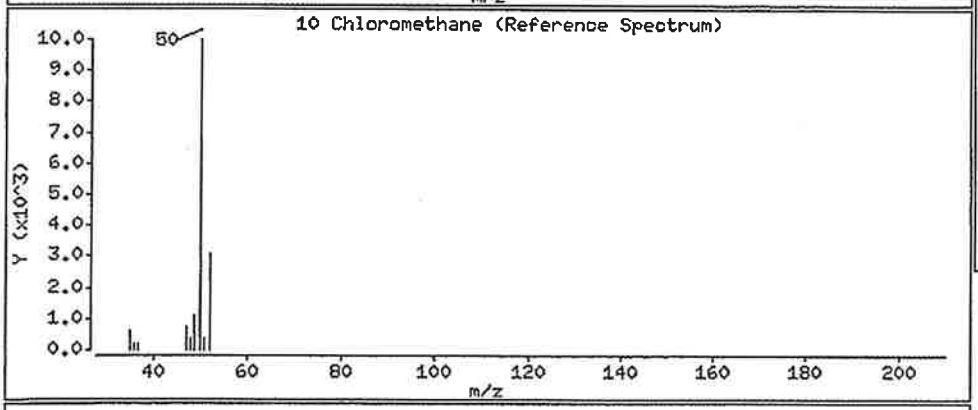
Concentration: 0.6197 ppb(v/v)

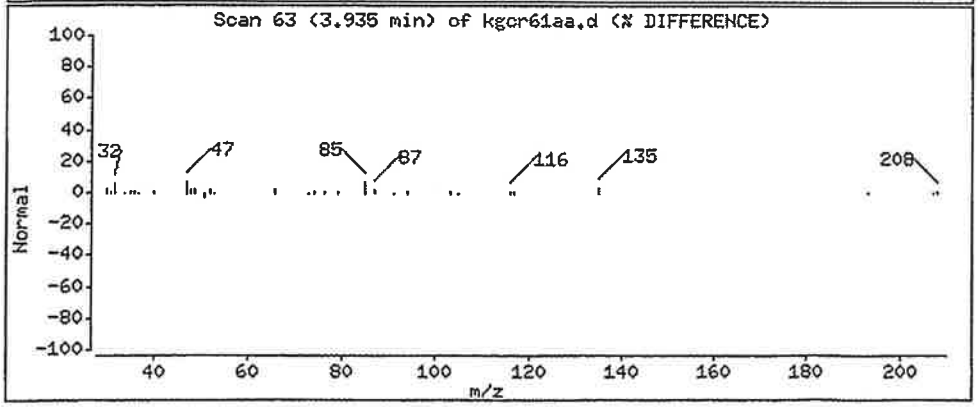












Data File: /var/chem/gcms/me.i/E020108.b/kgcr61aa.d

Date : 01-FEB-2008 14:36

Client ID: BACKYARD

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

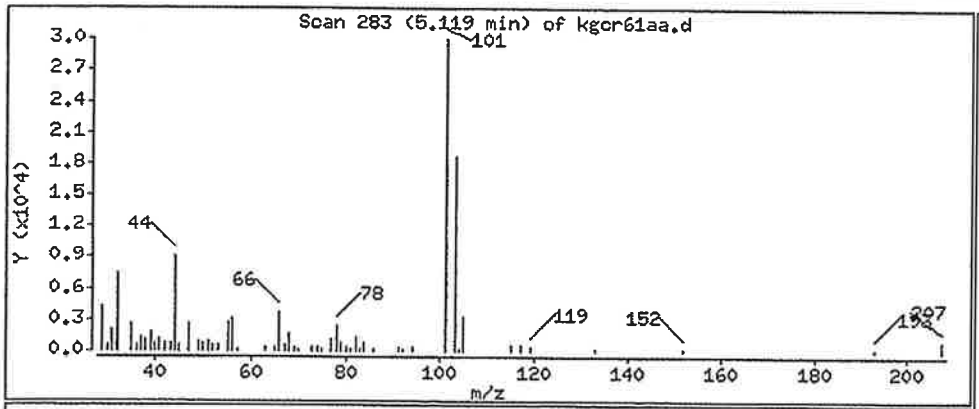
Operator: 7126

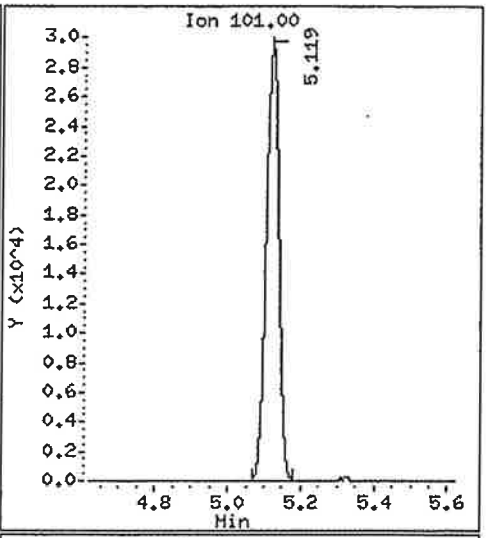
Column phase: HP-5

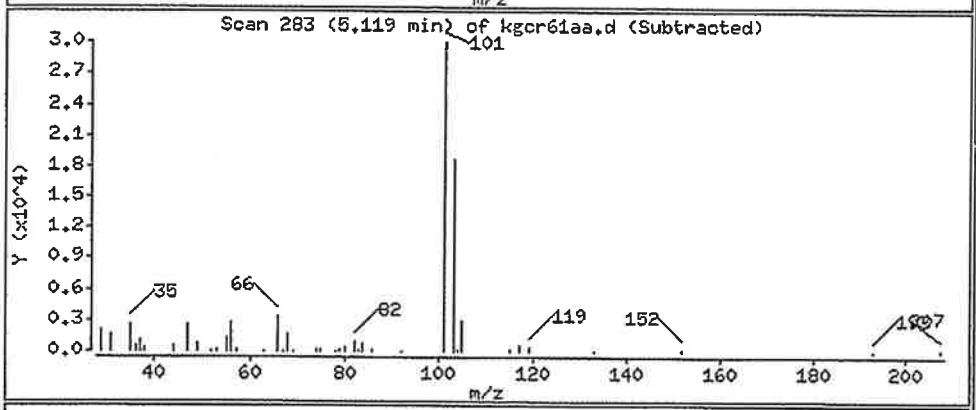
Column diameter: 0.32

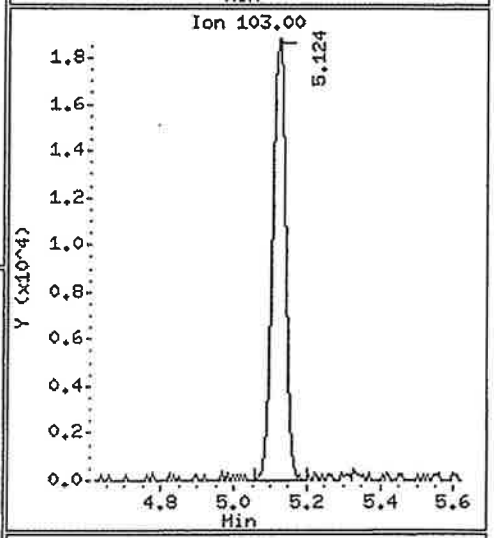
20 Trichlorofluoromethane

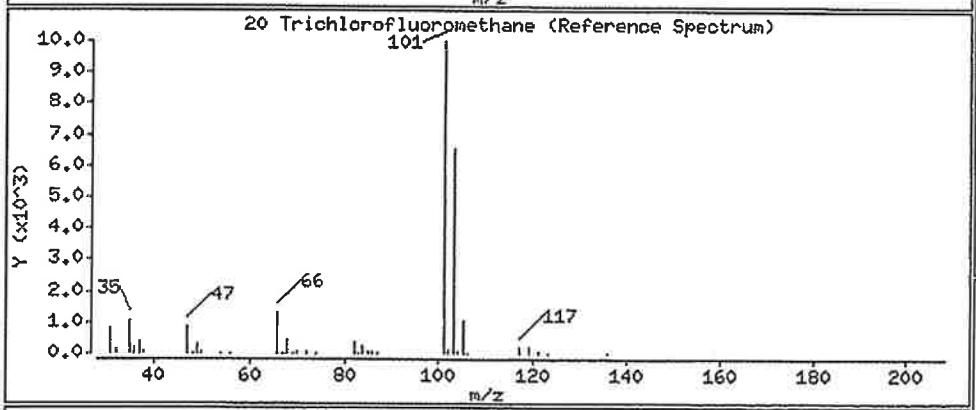
Concentration: 0.3575 ppb(v/v)

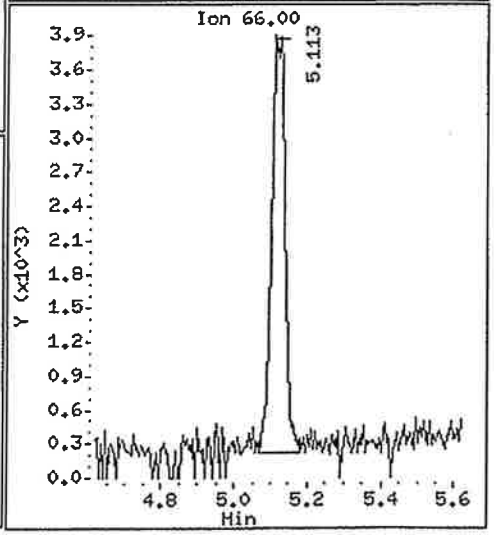


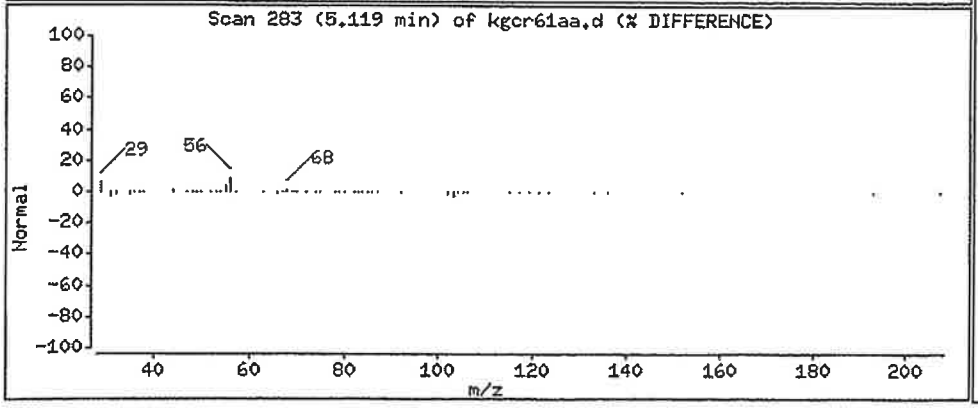












Data File: /var/chem/gcms/me.i/E020108.b/kgcr61aa.d

Date : 01-FEB-2008 14:36

Client ID: BACKYARD

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

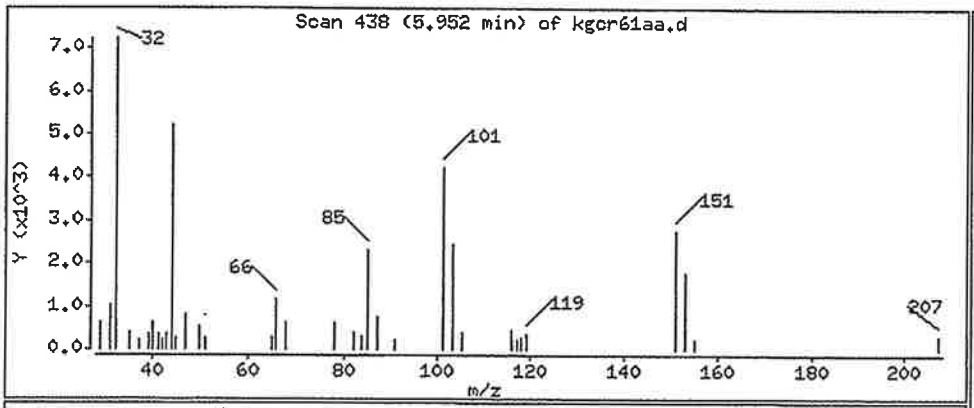
Operator: 7126

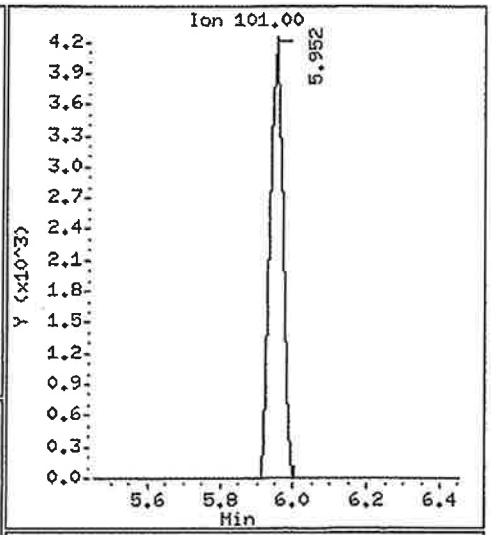
Column phase: HP-5

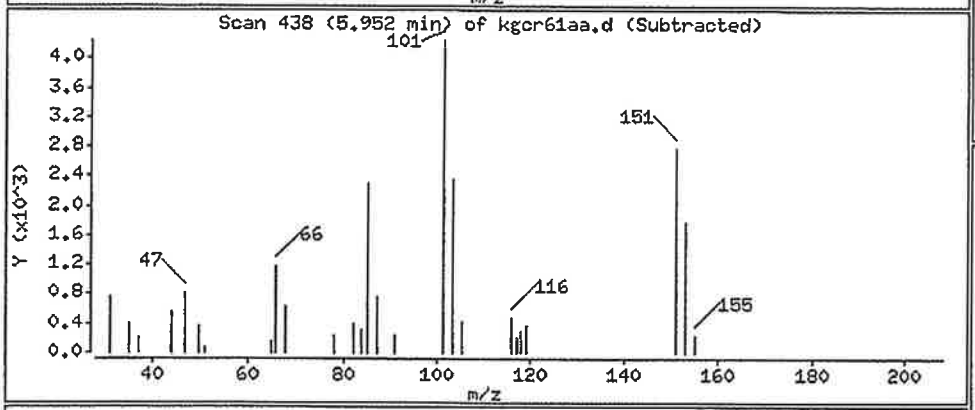
Column diameter: 0.32

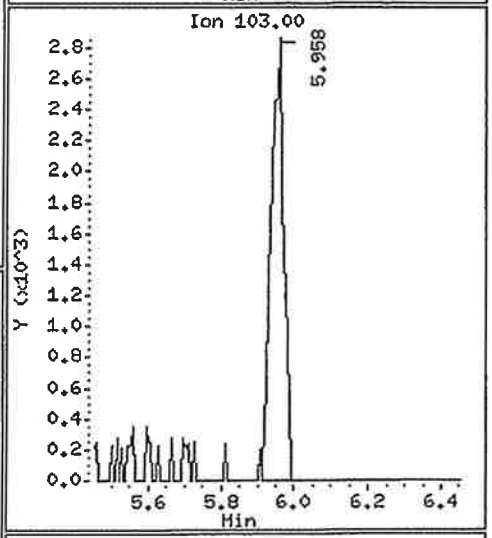
30 1,1,2-Trichlorotrifluoroethane

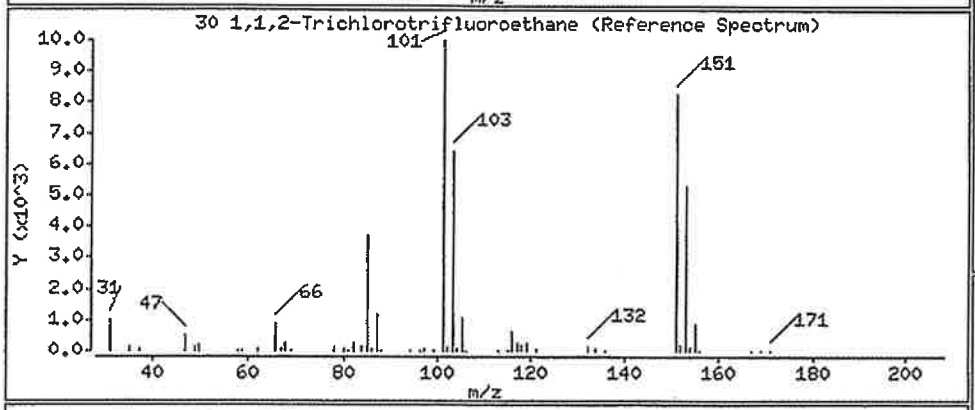
Concentration: 0.1054 ppb(v/v)

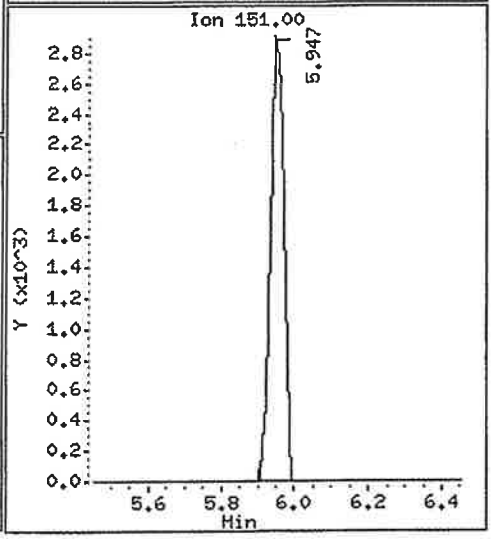


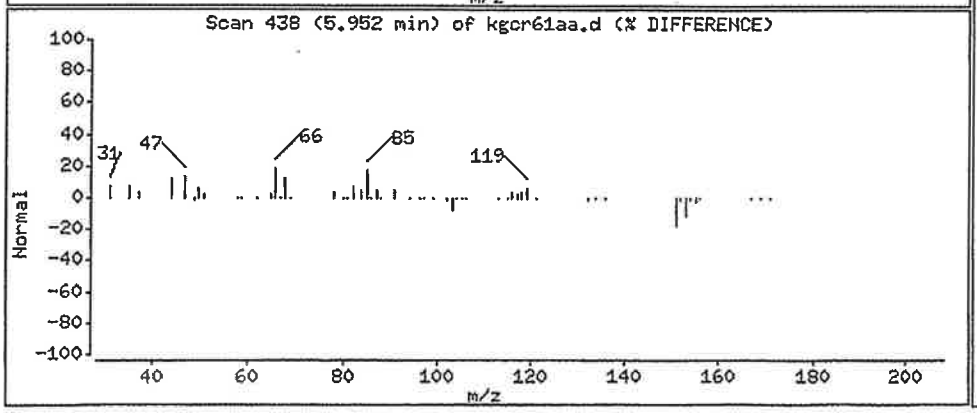












Data File: /var/chem/gcms/me.i/E020108.b/kgcr61aa.d

Date : 01-FEB-2008 14:36

Client ID: BACKYARD

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

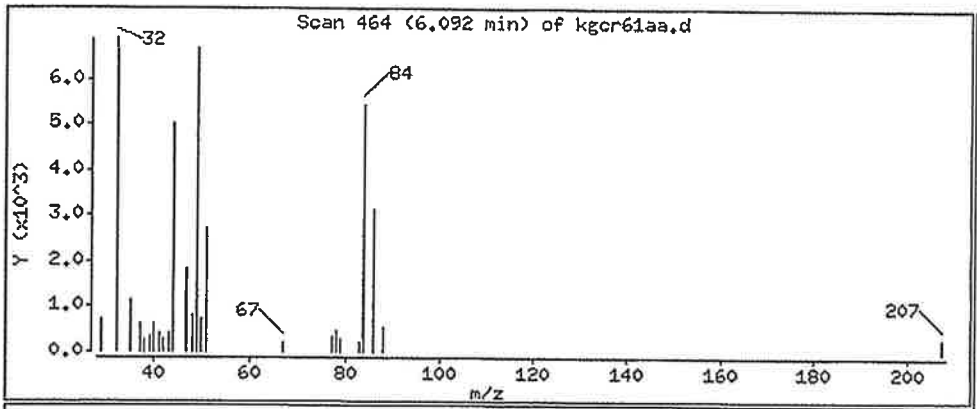
Operator: 7126

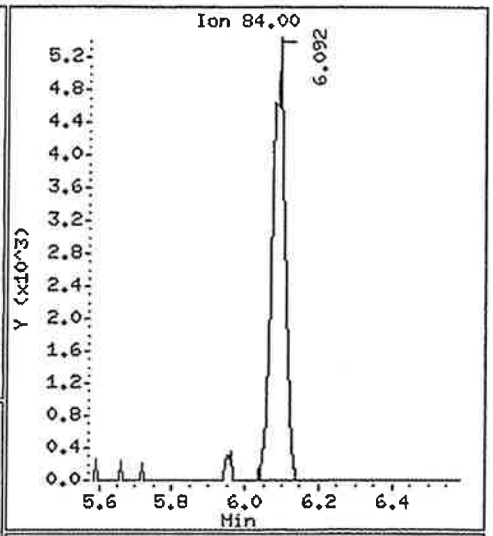
Column phase: HP-5

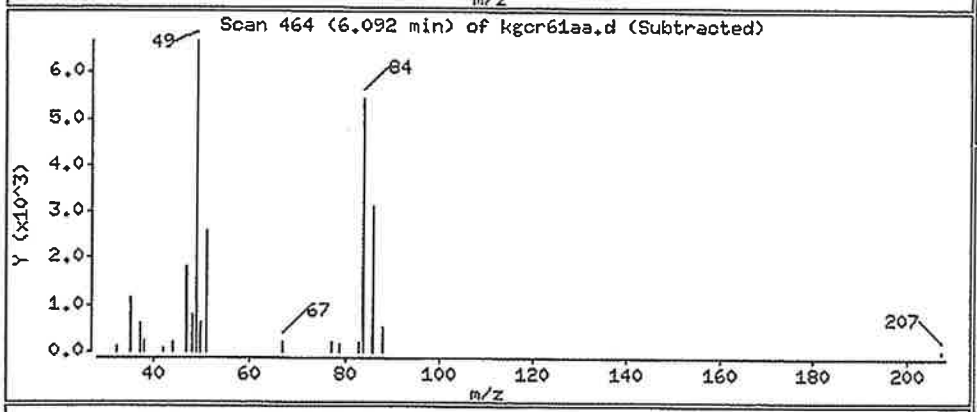
Column diameter: 0.32

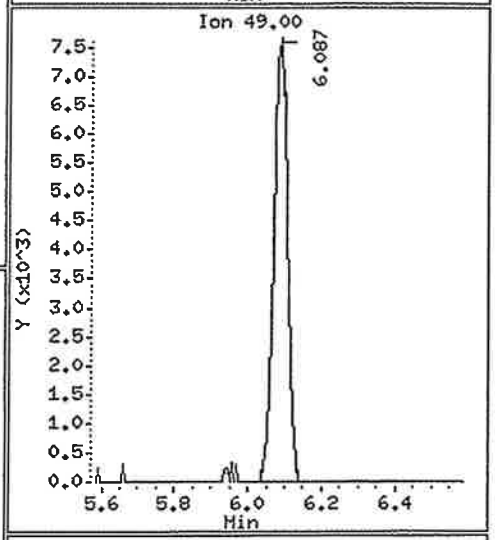
31 Methylene Chloride

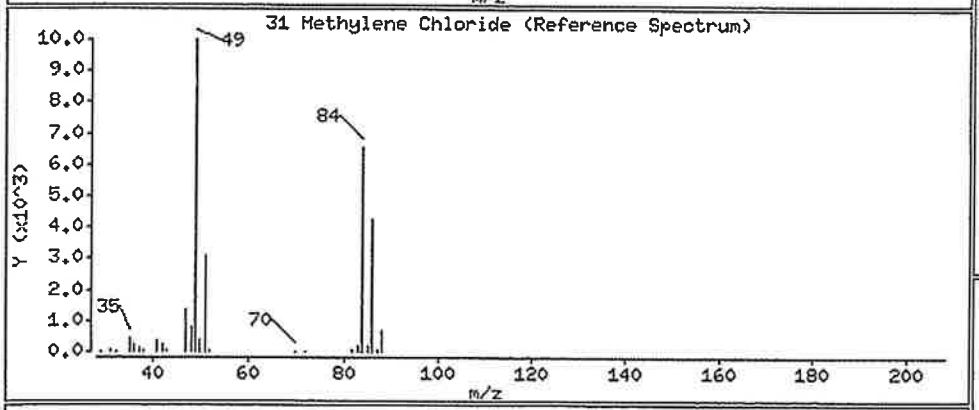
Concentration: 0.2707 ppb(v/v)

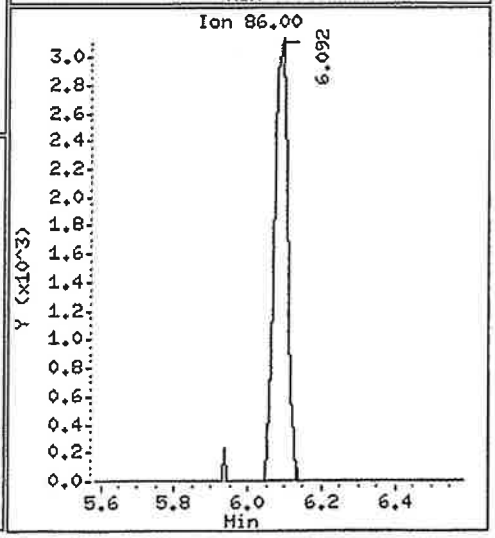


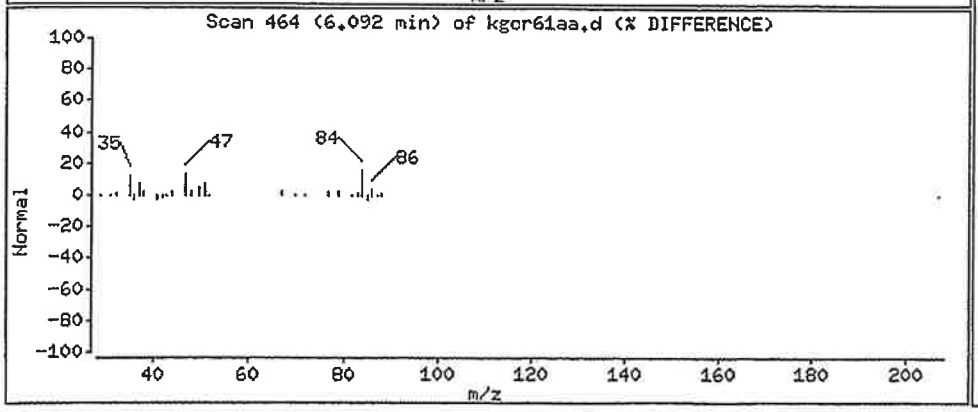












Data File: /var/chem/gcms/me.i/E020108.b/kgcr61aa.d

Date : 01-FEB-2008 14:36

Client ID: BACKYARD

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

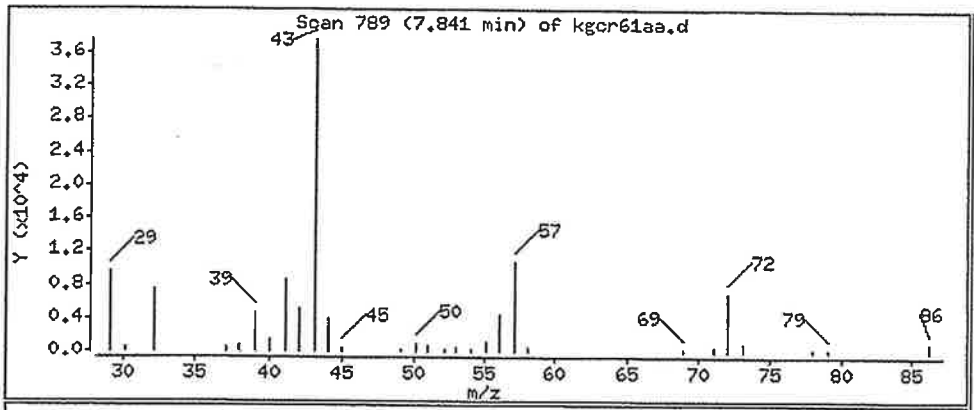
Operator: 7126

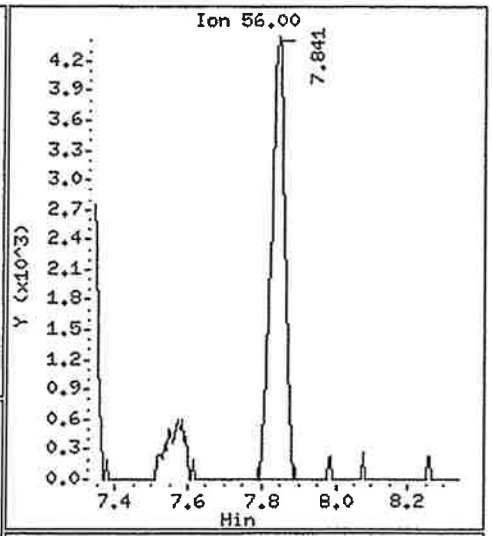
Column phase: HP-5

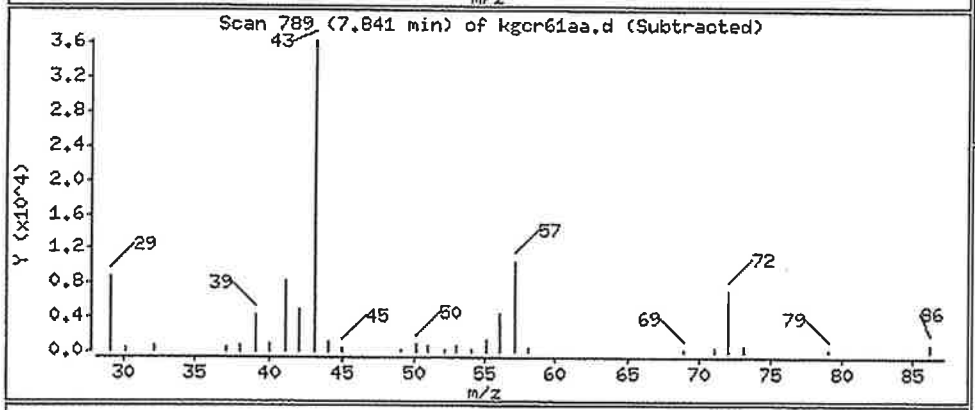
Column diameter: 0.32

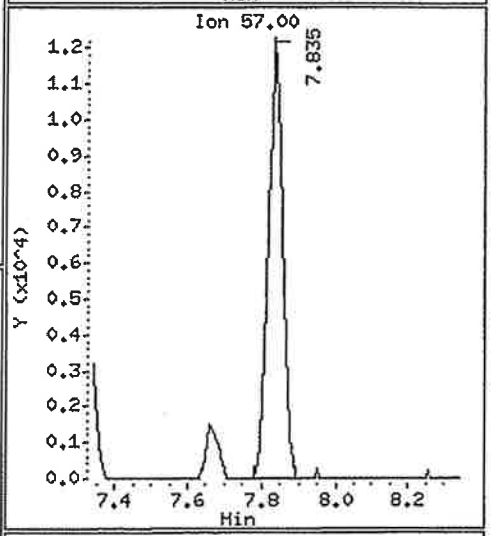
39 Hexane

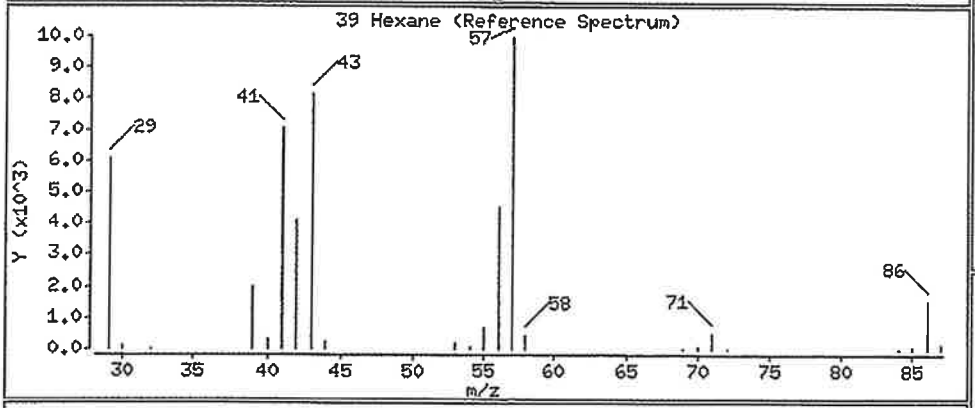
Concentration: 0.2162 ppb(v/v)

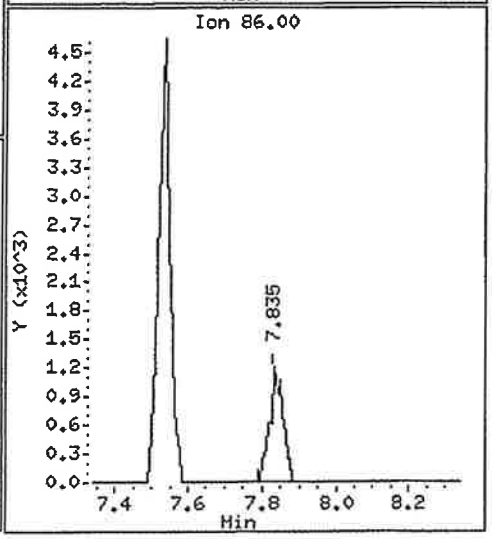


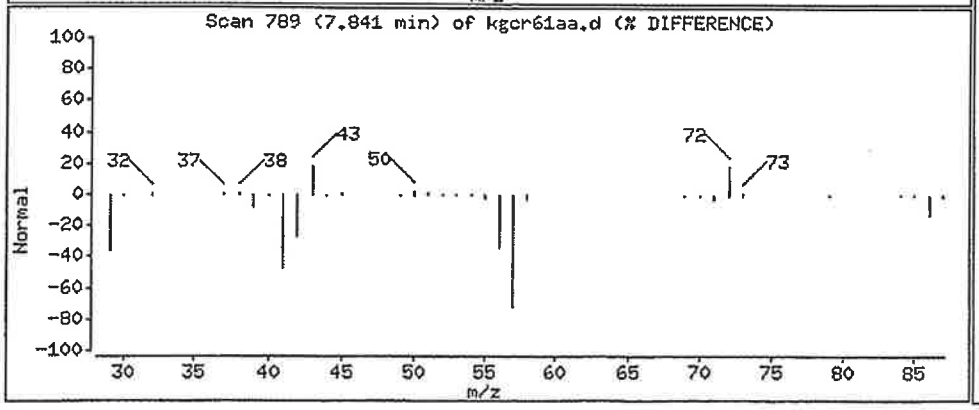












Data File: /var/chem/gcms/me.i/E020108.b/kgcr61aa.d

Date : 01-FEB-2008 14:36

Client ID: BACKYARD

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

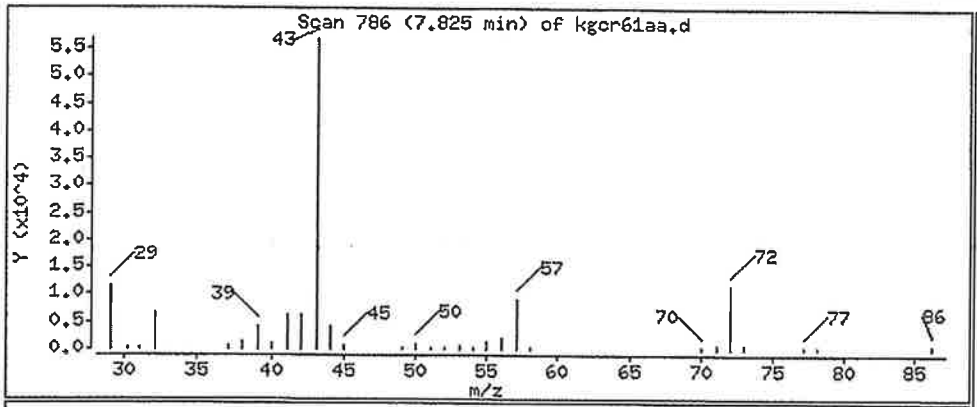
Operator: 7126

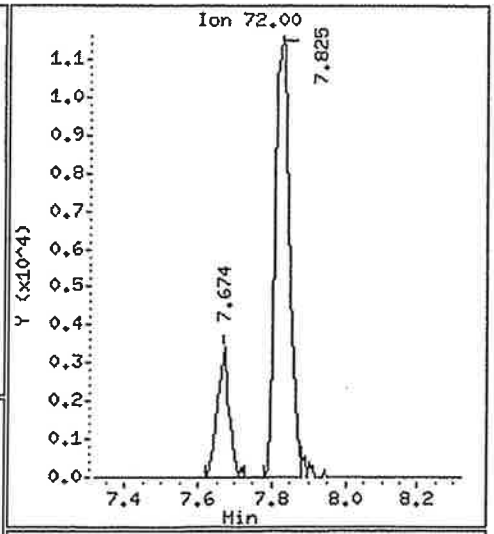
Column phase: HP-5

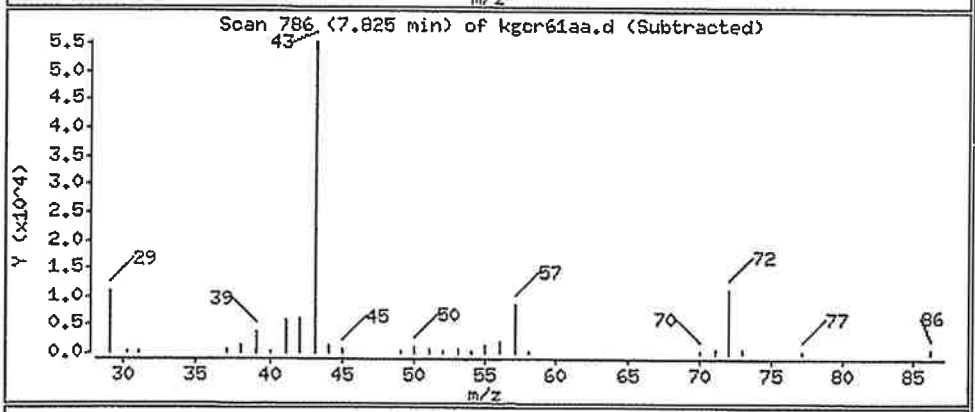
Column diameter: 0.32

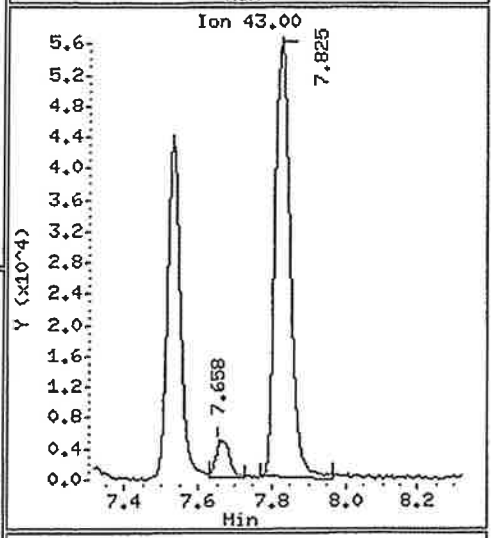
40 2-Butanone

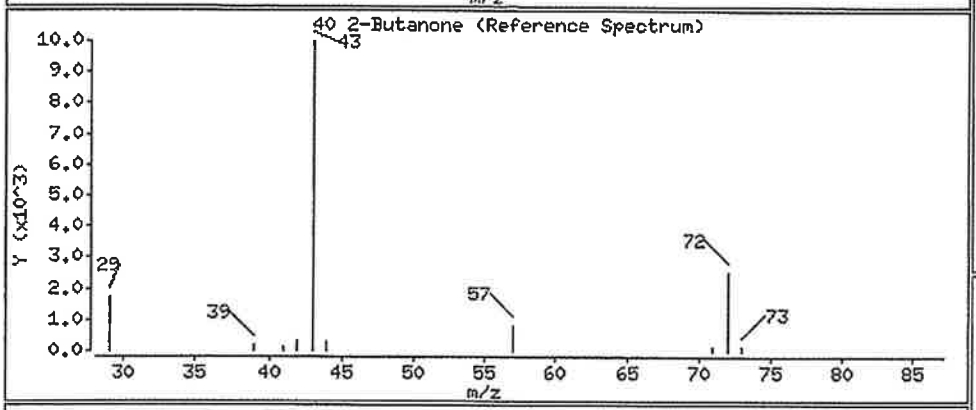
Concentration: 1.505 ppb(v/v)

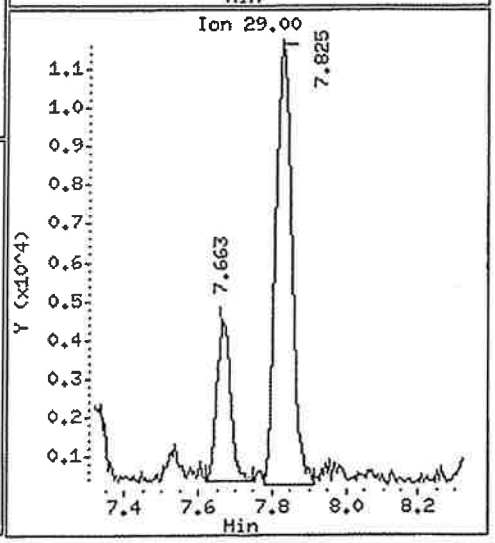


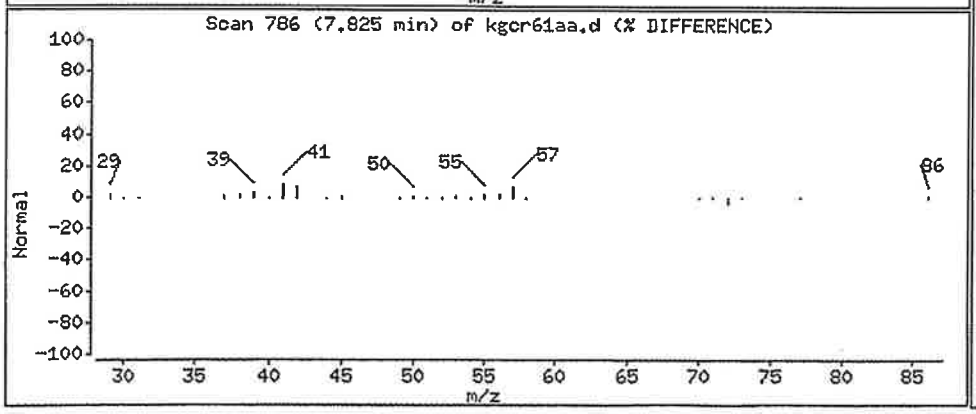












Data File: /var/chem/gcms/me.i/E020108.b/kgcr61aa.d

Date : 01-FEB-2008 14:36

Client ID: BACKYARD

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

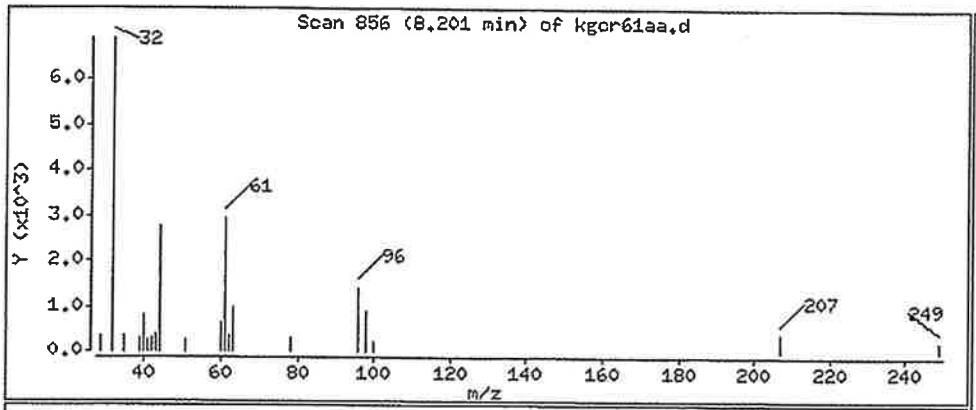
Operator: 7126

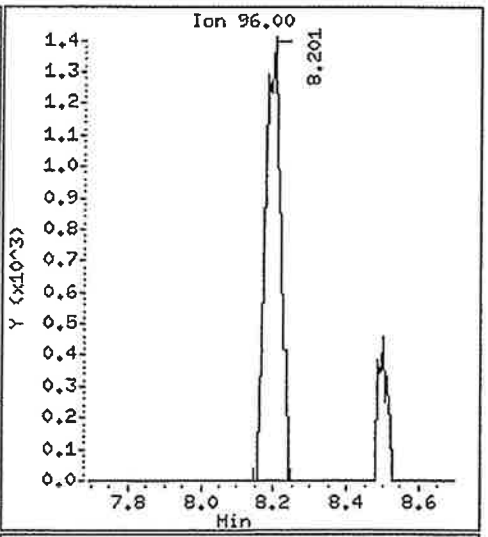
Column phase: HP-5

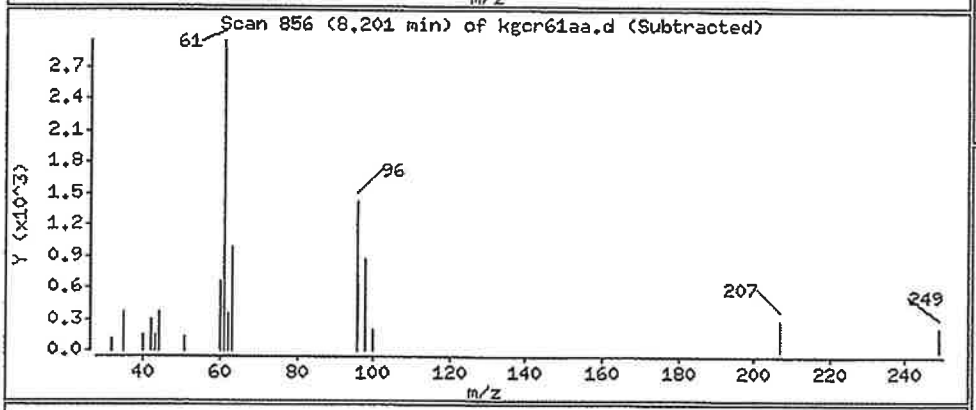
Column diameter: 0.32

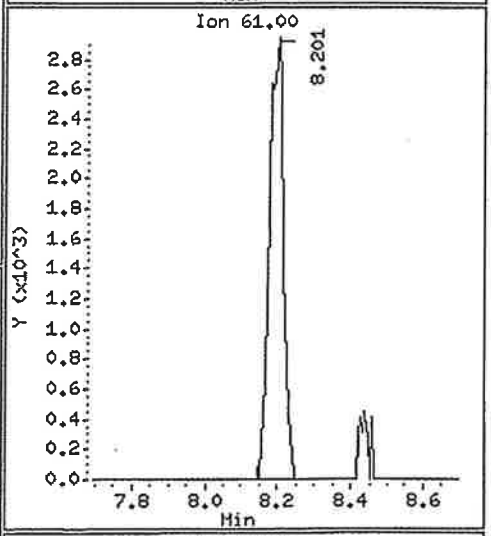
41 cis 1,2-Dichloroethene

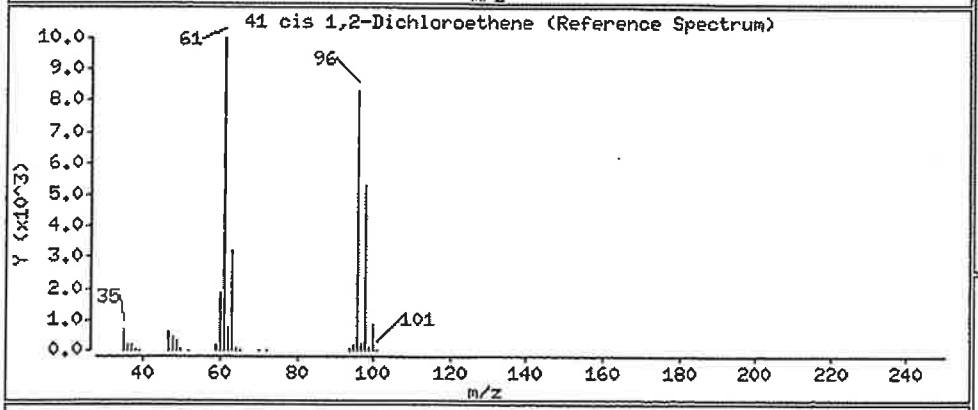
Concentration: 0.09632 ppb(v/v)

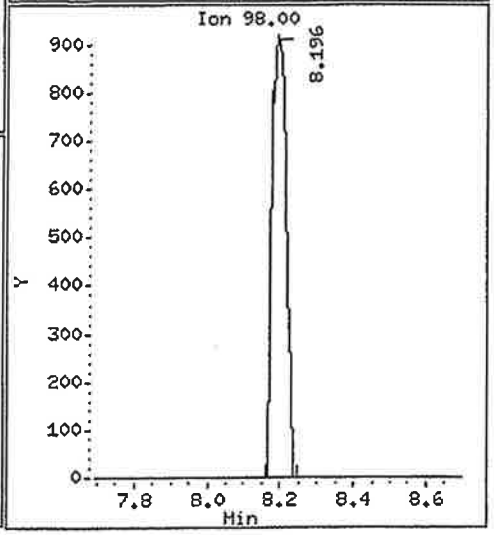


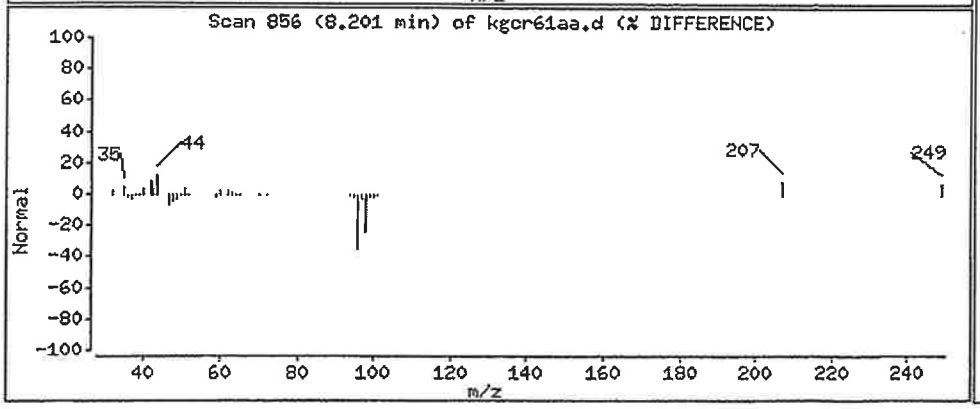












Data File: /var/chem/gcms/me.i/E020108.b/kgcr61aa.d

Date : 01-FEB-2008 14:36

Client ID: BACKYARD

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

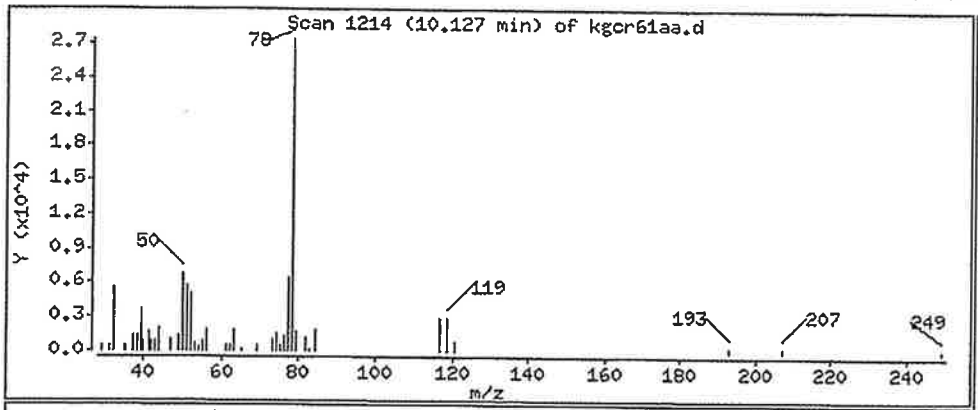
Operator: 7126

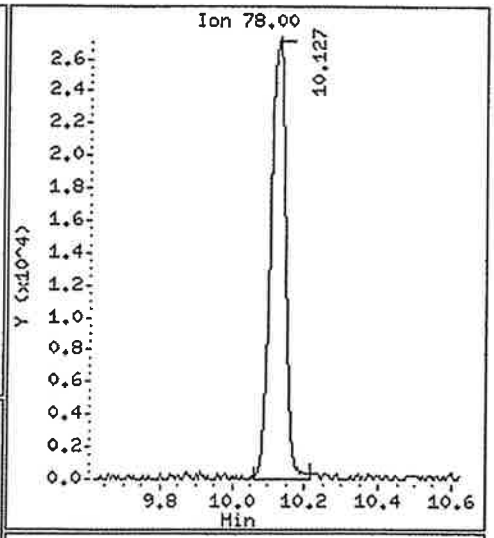
Column phase: HP-5

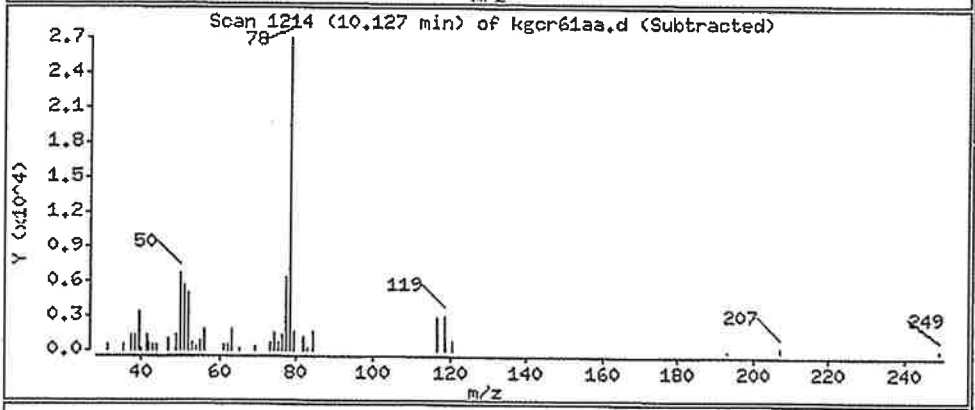
Column diameter: 0.32

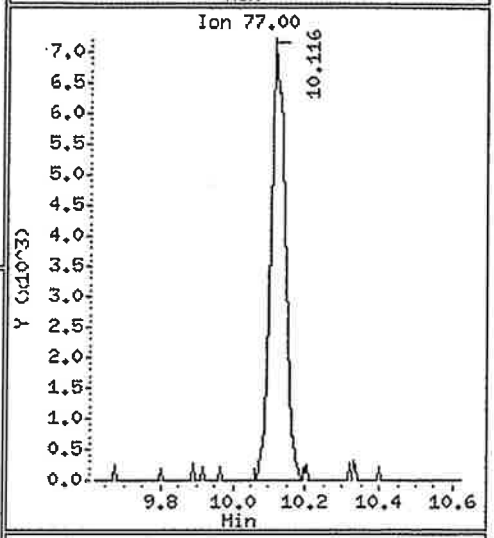
47 Benzene

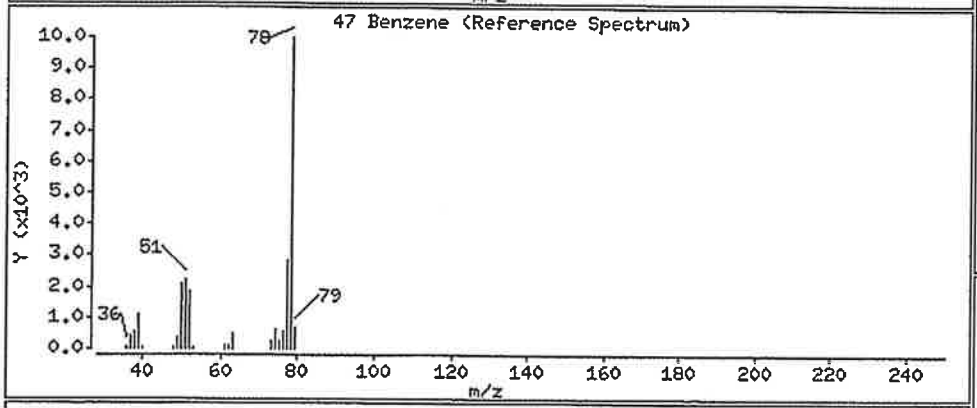
Concentration: 0.4897 ppb(v/v)

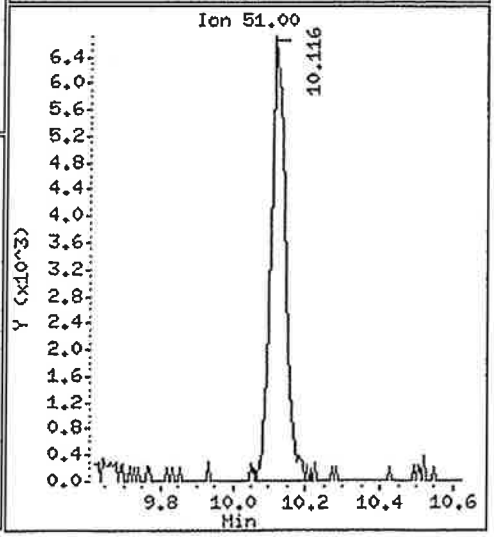


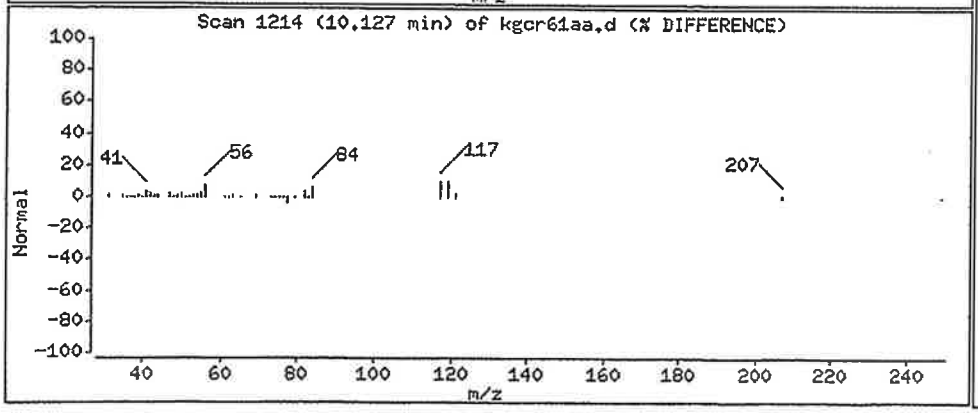












Data File: /var/chem/gcms/me.i/E020108.b/kgcr61aa.d

Date : 01-FEB-2008 14:36

Client ID: BACKYARD

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

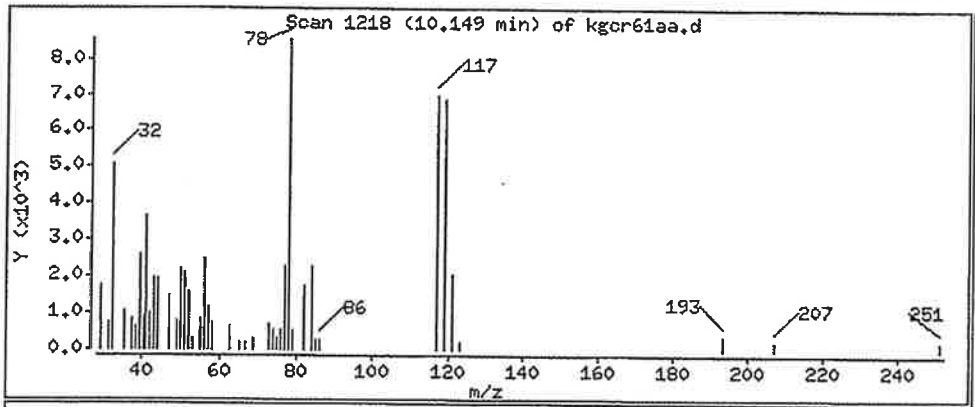
Operator: 7126

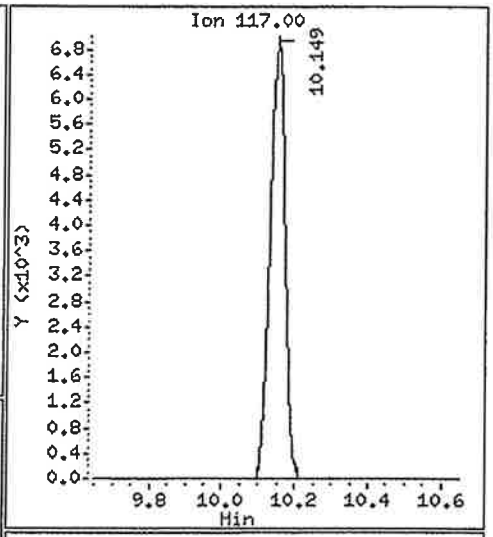
Column phase: HP-5

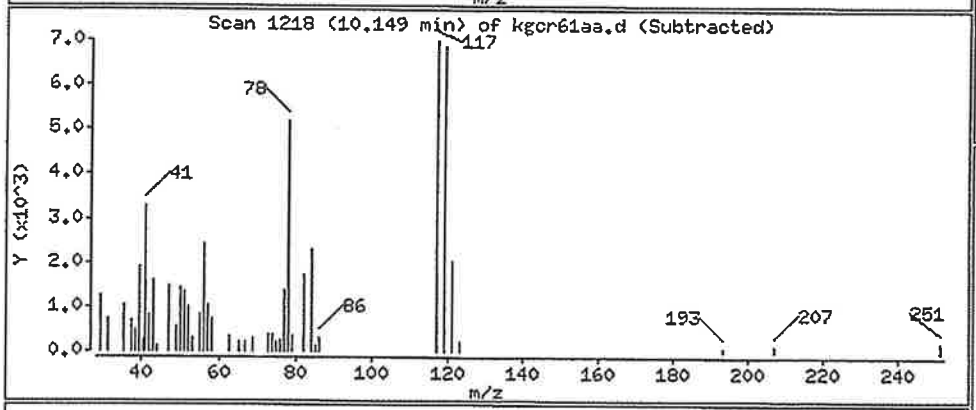
Column diameter: 0.32

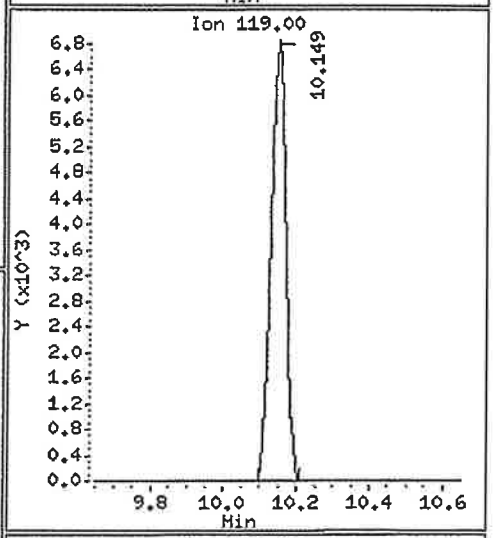
50 Carbon Tetrachloride

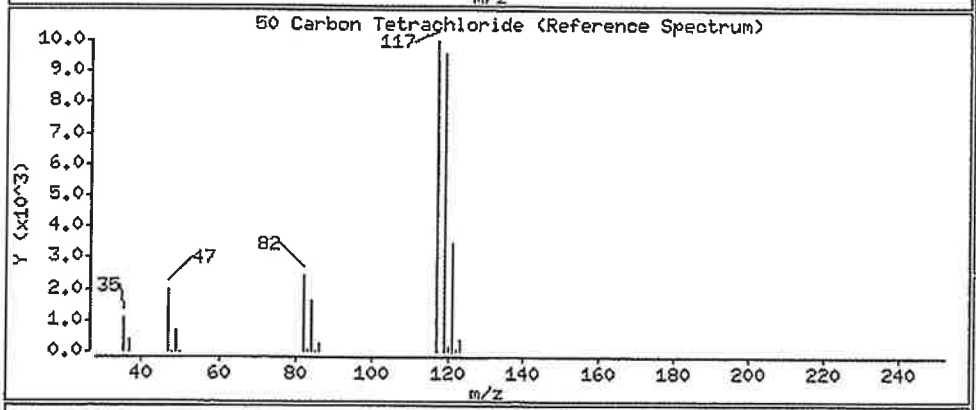
Concentration: 0.1262 ppb(v/v)

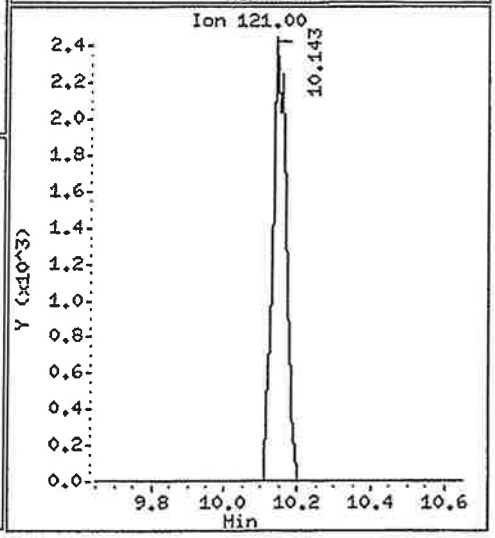


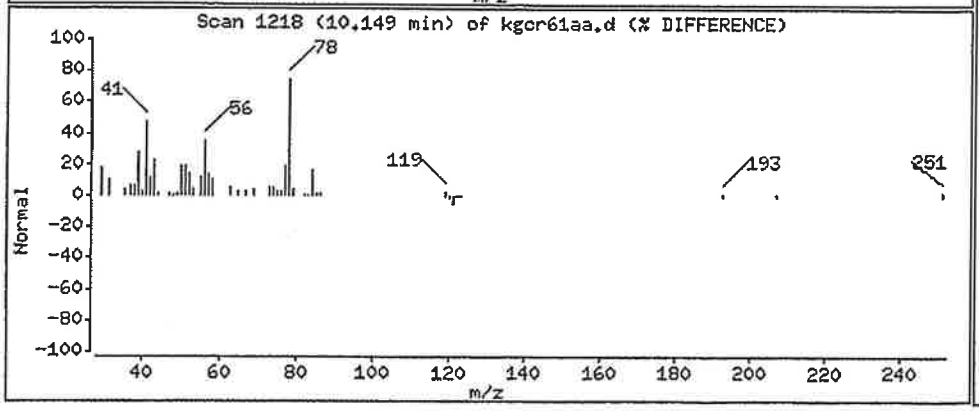












Data File: /var/chem/gcms/me.i/E020108.b/kgcr61aa.d

Date : 01-FEB-2008 14:36

Client ID: BACKYARD

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

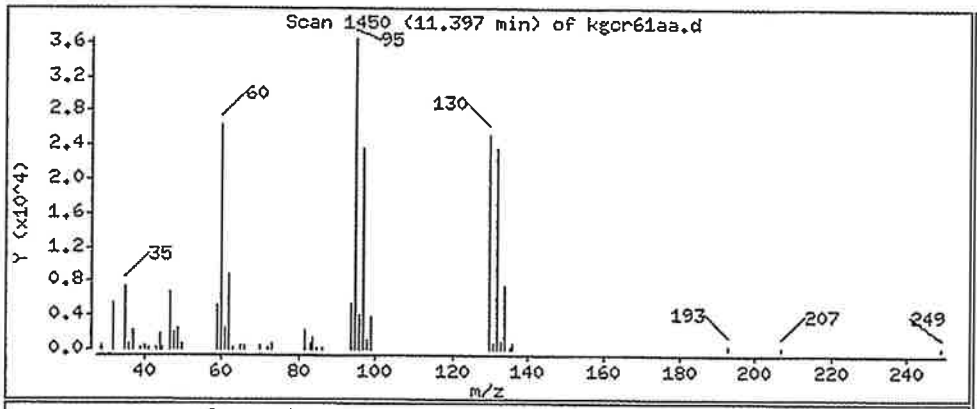
Operator: 7126

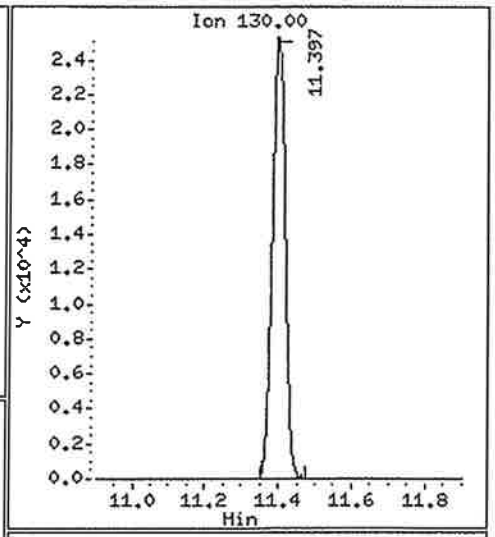
Column phase: HP-5

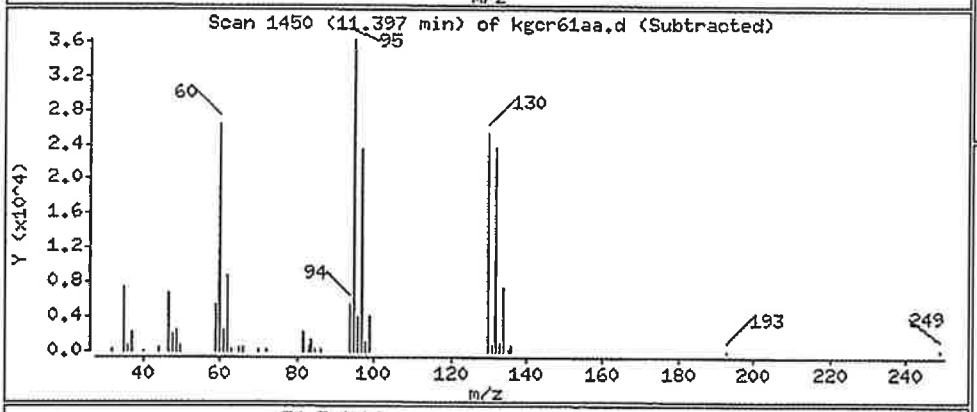
Column diameter: 0.32

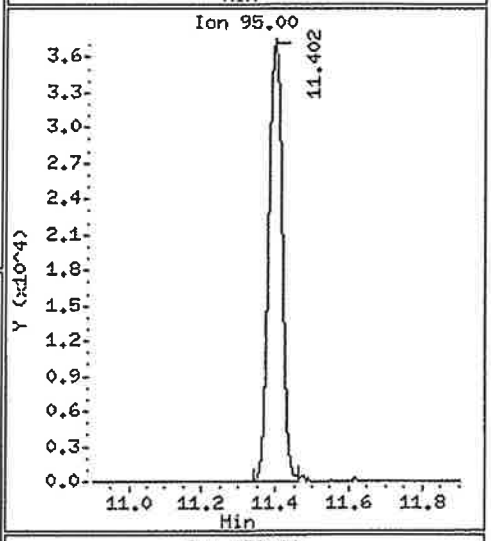
54 Trichloroethene

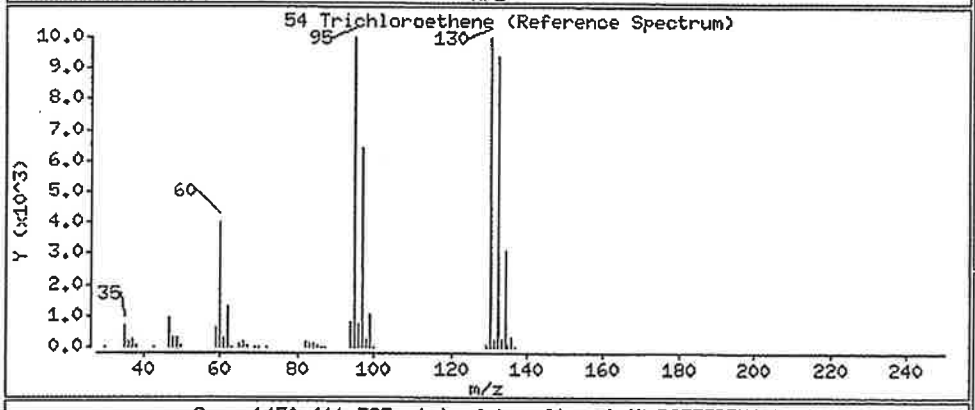
Concentration: 1.220 ppb(v/v)

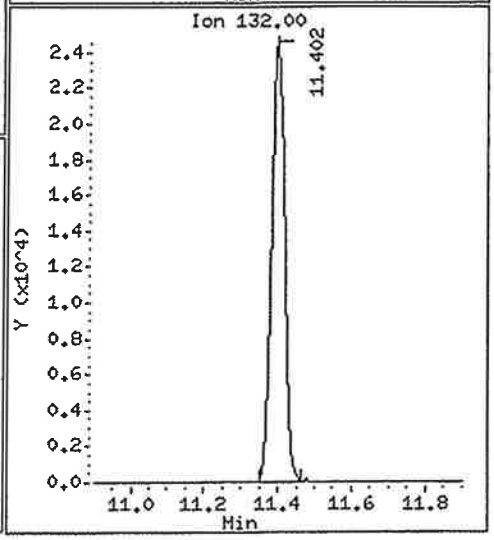


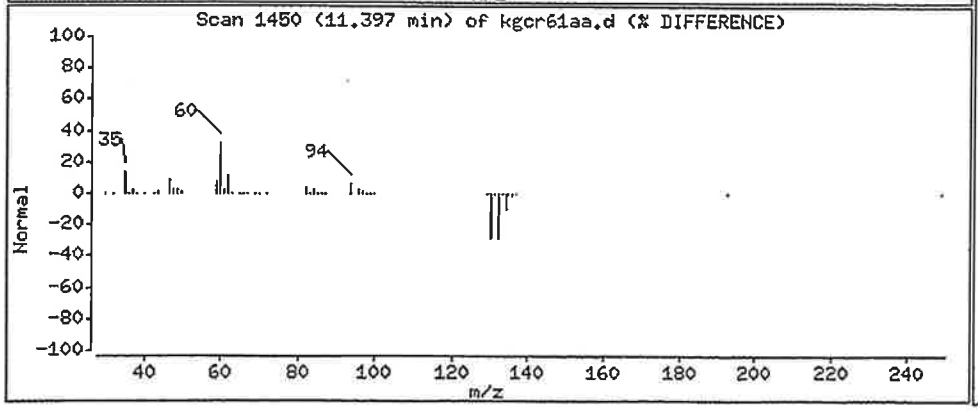












Data File: /var/chem/gcms/me.i/E020108.b/kgcr61aa.d

Date : 01-FEB-2008 14:36

Client ID: BACKYARD

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

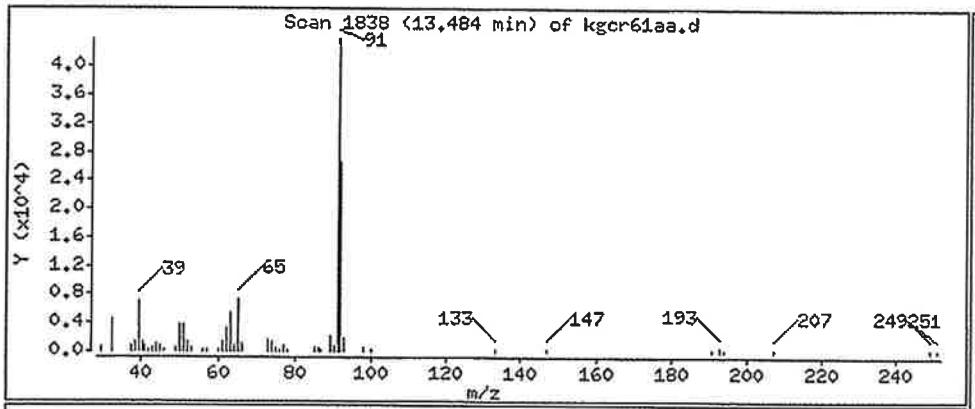
Operator: 7126

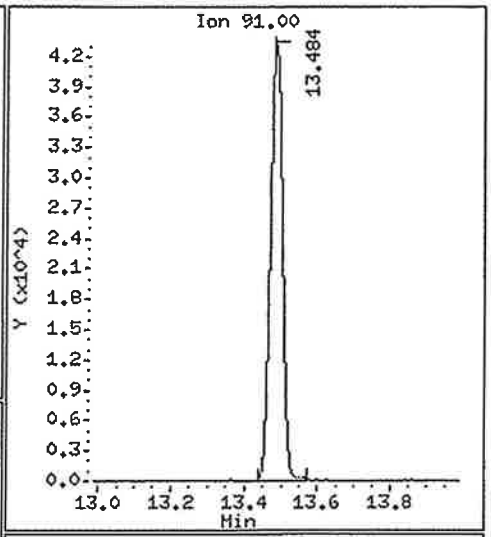
Column phase: HP-5

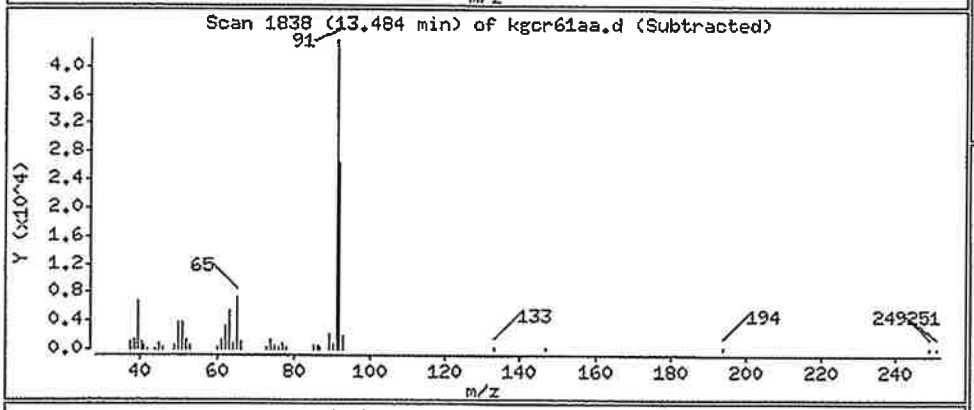
Column diameter: 0.32

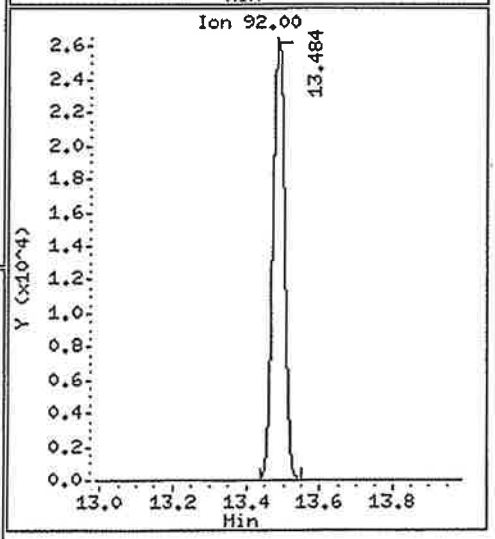
62 Toluene

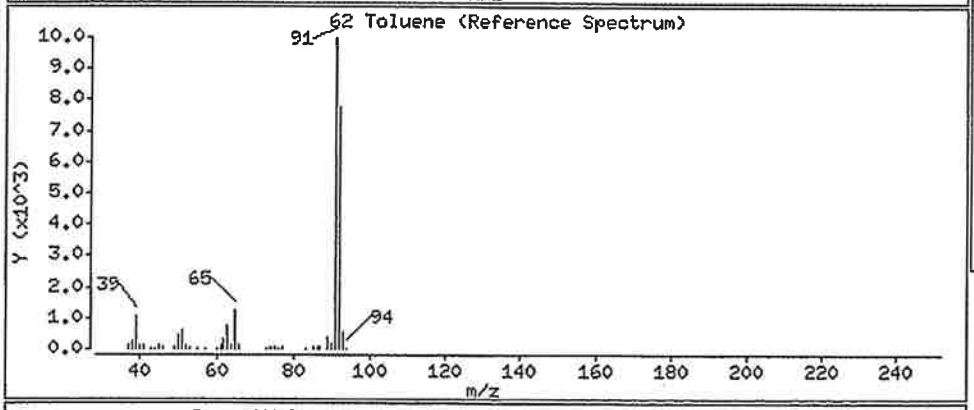
Concentration: 0.5490 ppb(v/v)

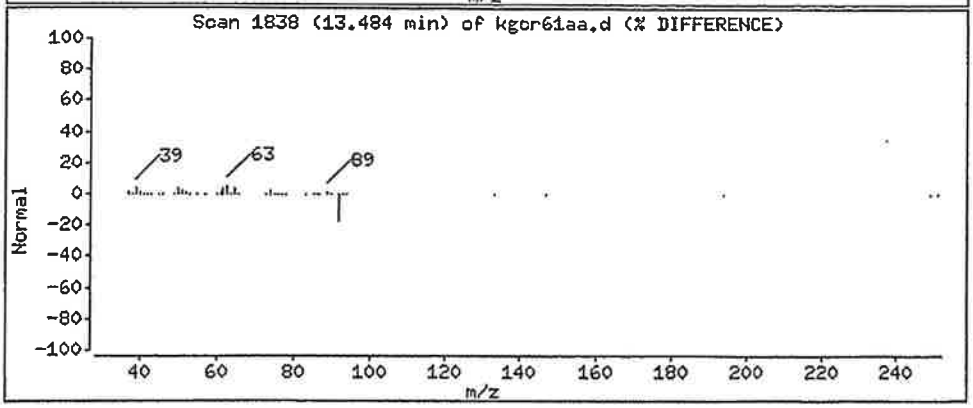












Data File: /var/chem/gcms/me.i/E020108.b/kgcr61aa.d

Date : 01-FEB-2008 14:36

Client ID: BACKYARD

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

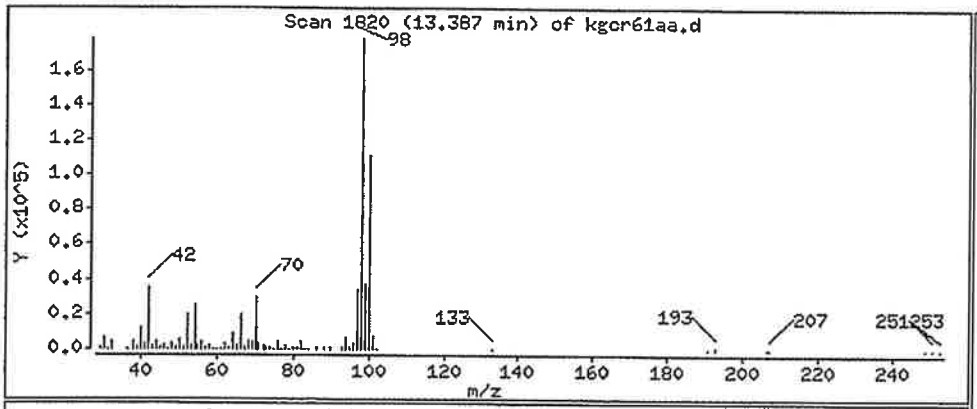
Operator: 7126

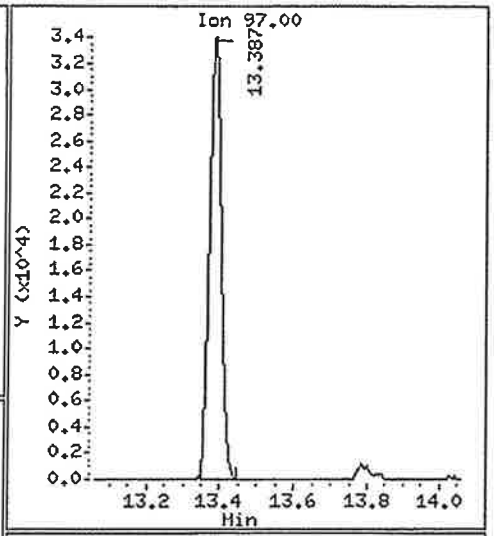
Column phase: HP-5

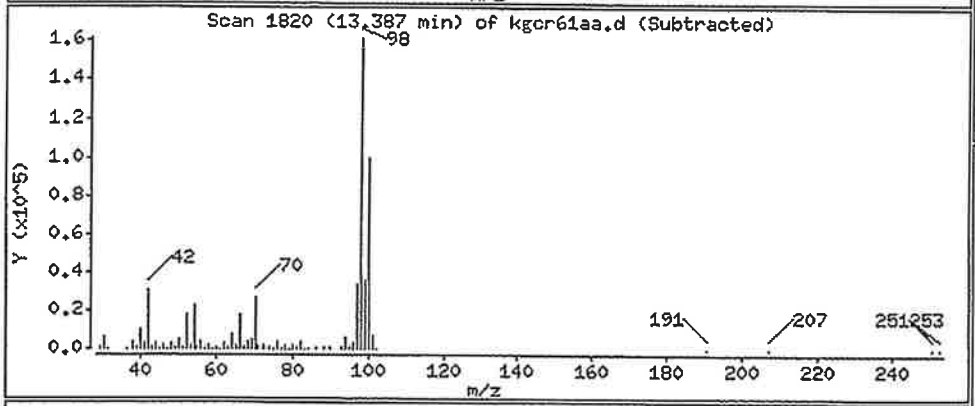
Column diameter: 0.32

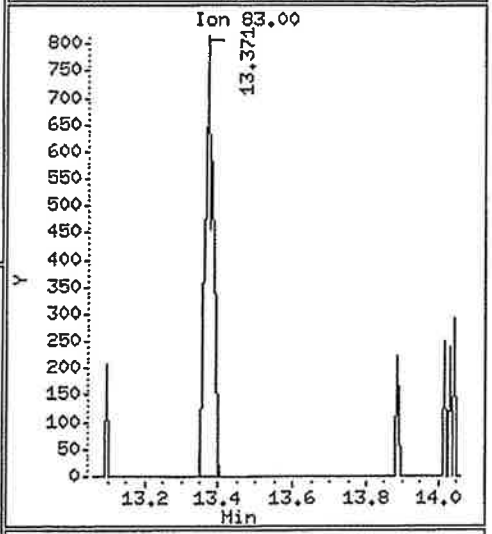
63 1,1,2-Trichloroethane

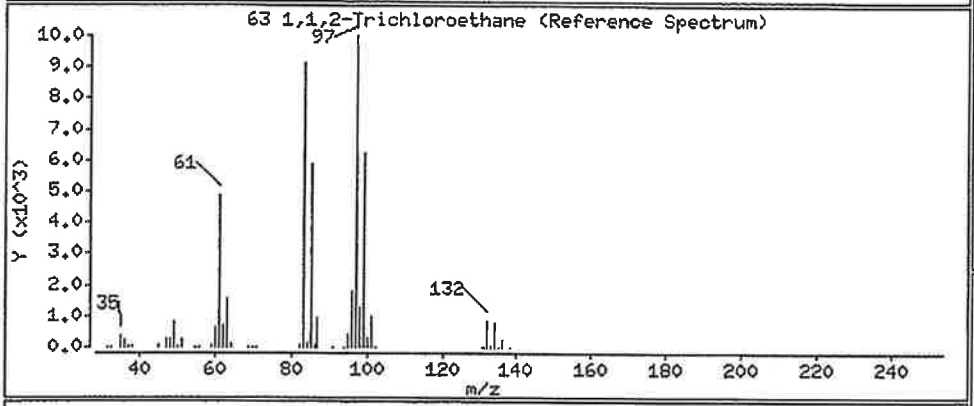
Concentration: 1.701 ppb(v/v)

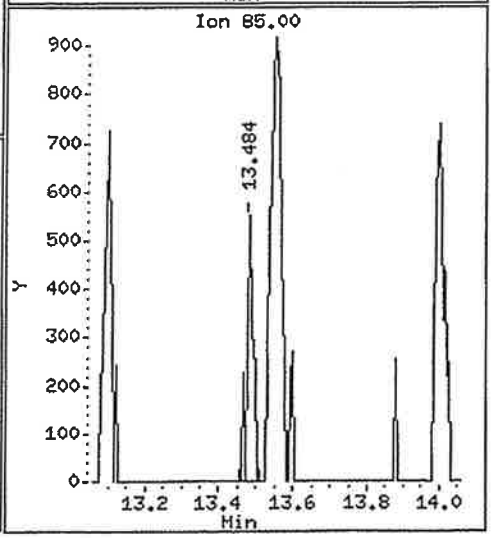


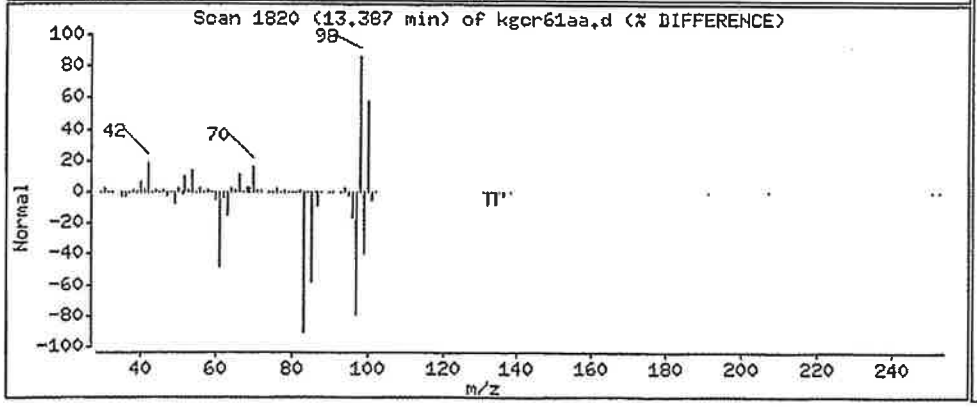












Data File: /var/chem/gcms/me.i/E020108.b/kgcr61aa.d

Date : 01-FEB-2008 14:36

Client ID: BACKYARD

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

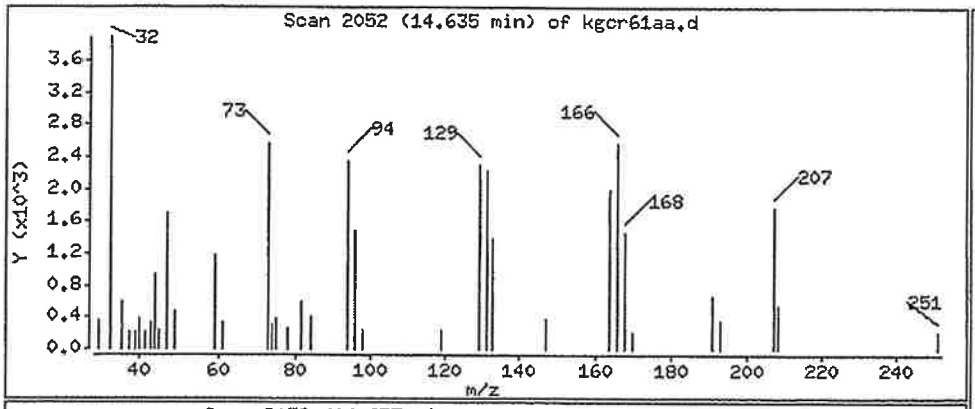
Operator: 7126

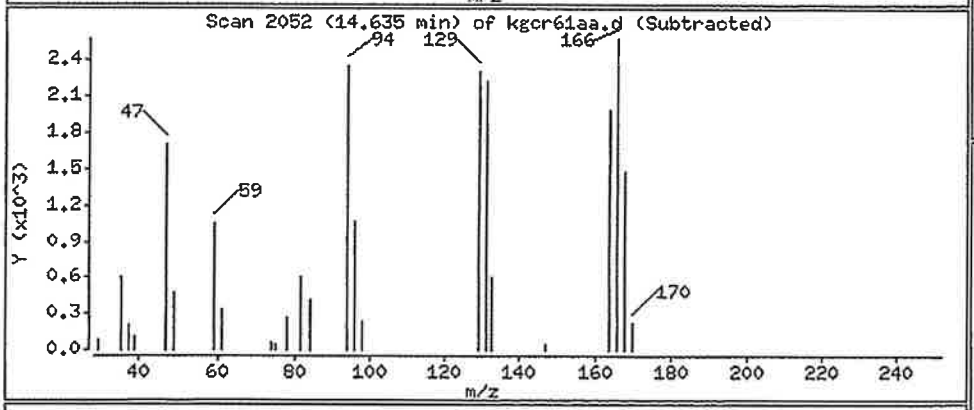
Column phase: HP-5

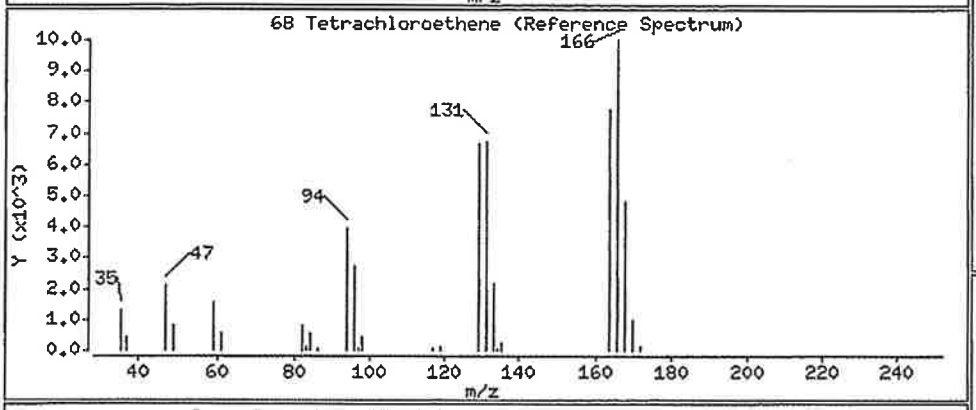
Column diameter: 0.32

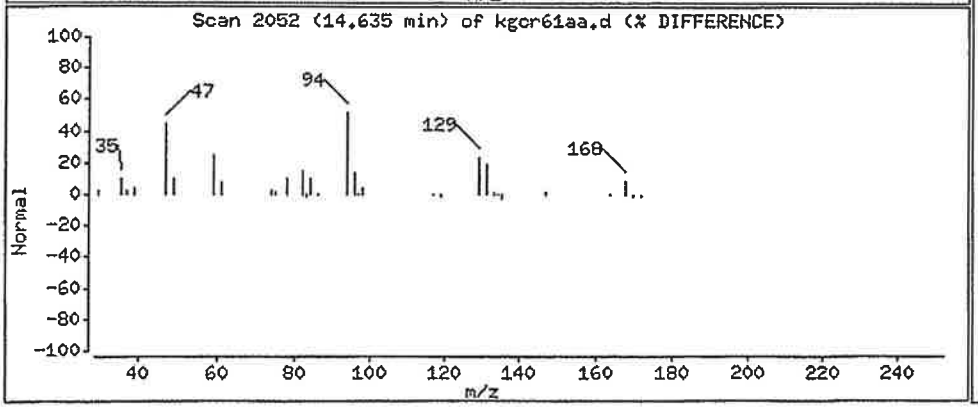
68 Tetrachloroethene

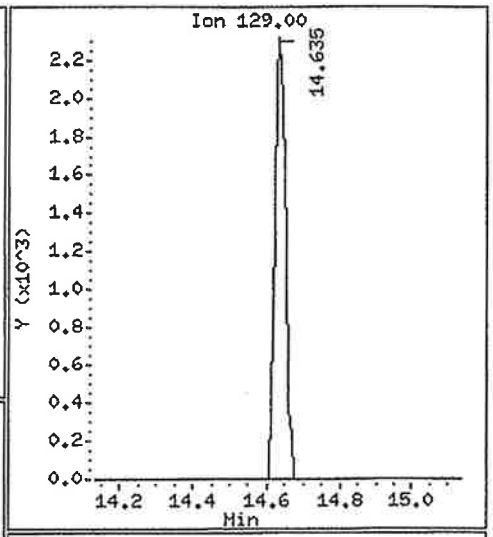
Concentration: 0.08578 ppb(v/v)

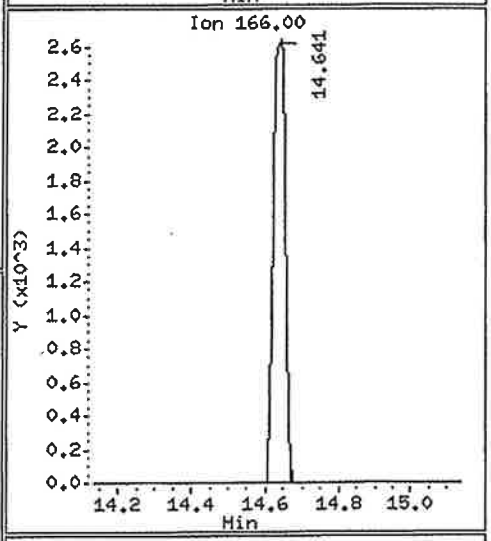


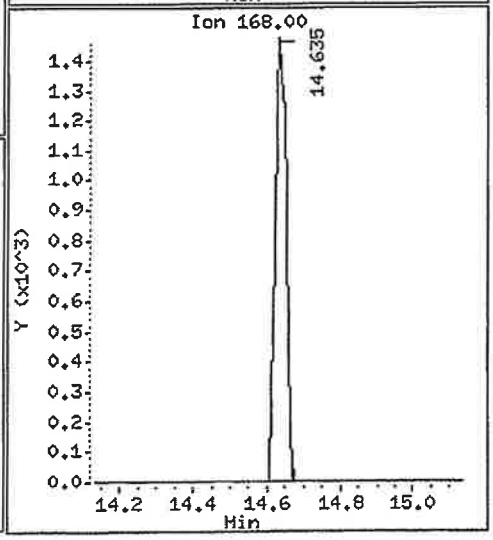












Data File: /var/chem/gcms/me.i/E020108.b/kgcr61aa.d

Date : 01-FEB-2008 14:36

Client ID: BACKYARD

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

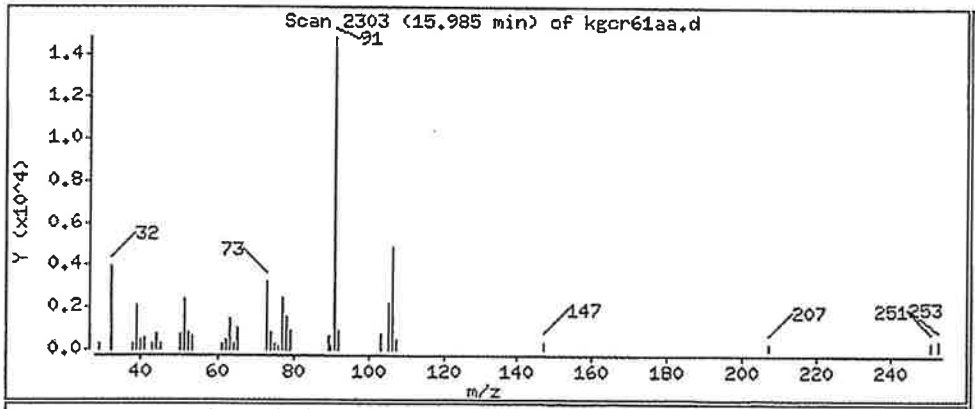
Operator: 7126

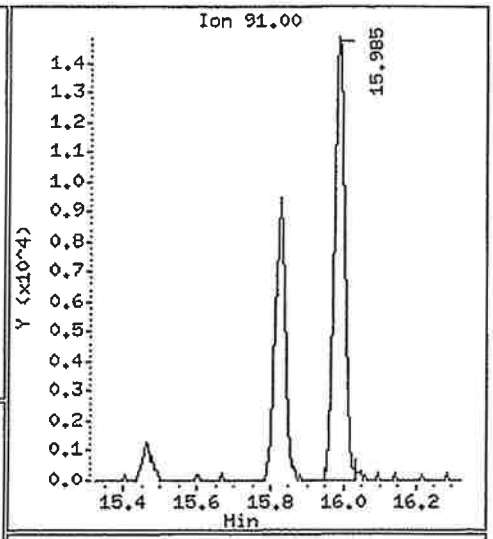
Column phase: HP-5

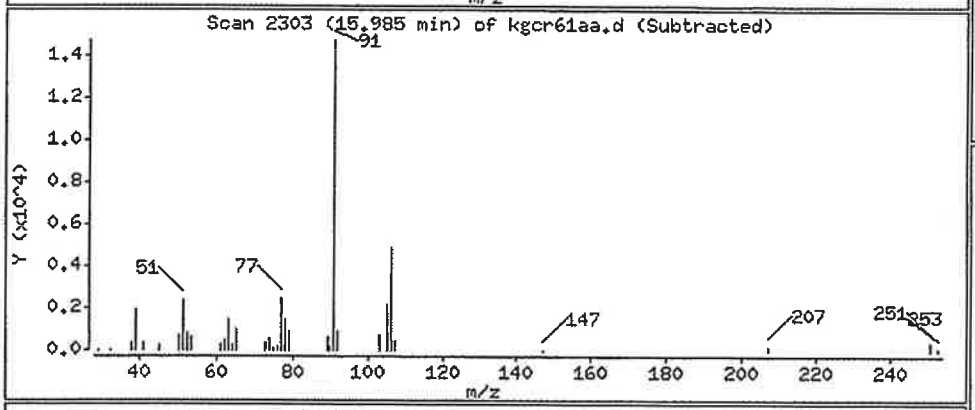
Column diameter: 0.32

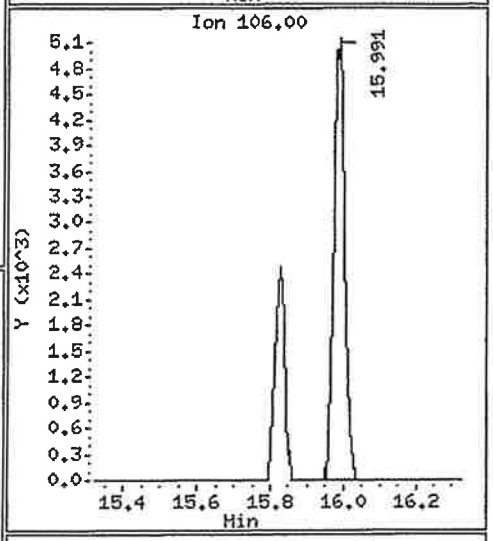
70 Ethylbenzene

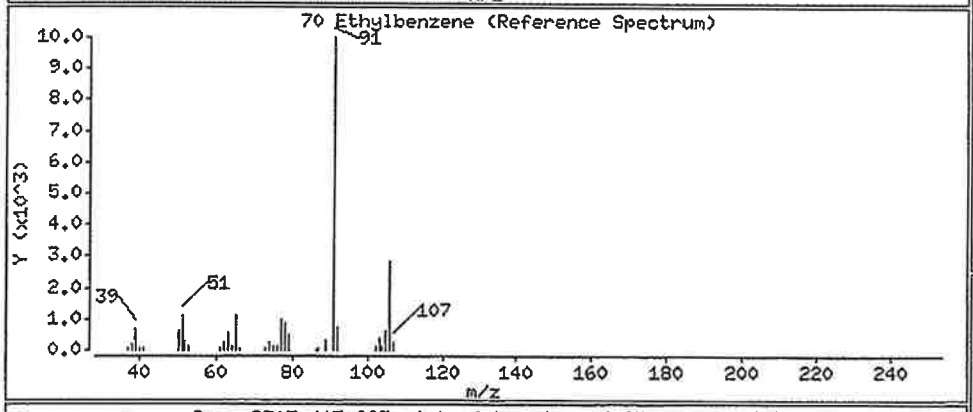
Concentration: 0.1398 ppb(v/v)

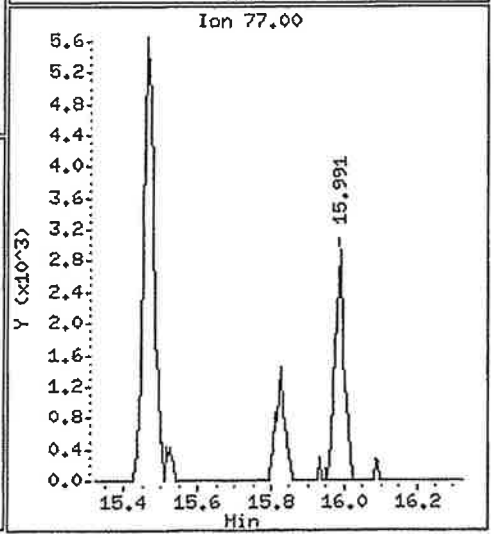


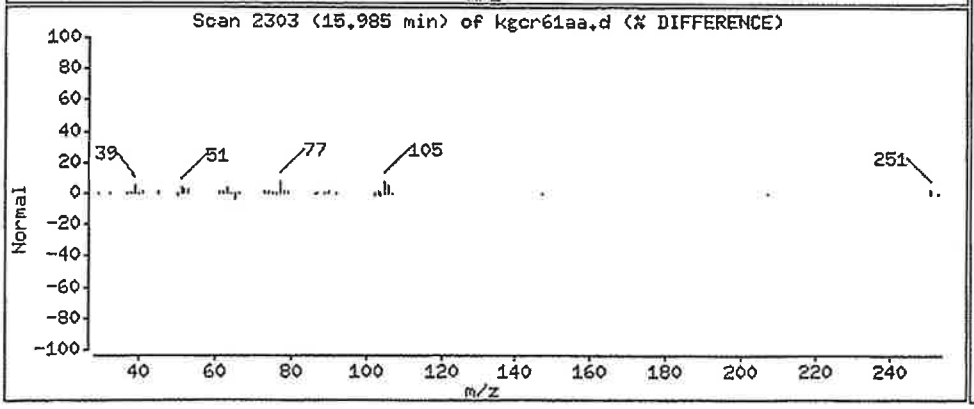












Data File: /var/chem/gcms/me.i/E020108.b/kgcr61aa.d

Date : 01-FEB-2008 14:36

Client ID: BACKYARD

Instrument: me.i

Sample Info: ,,0,,,

Purge Volume: 500.0

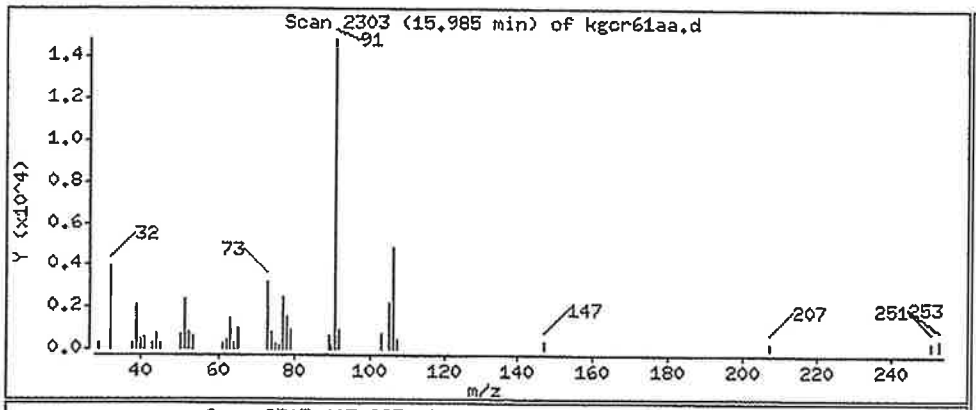
Operator: 7126

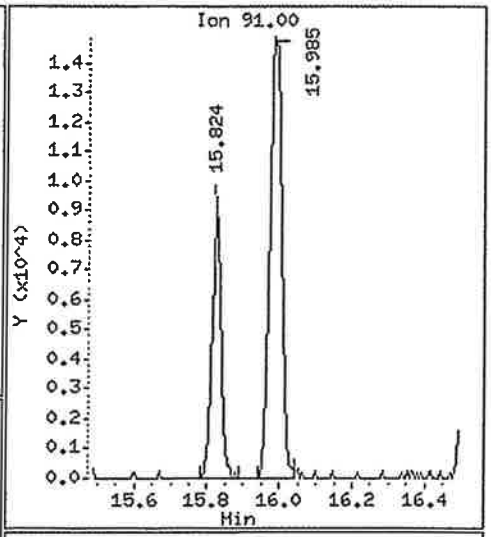
Column phase: HP-5

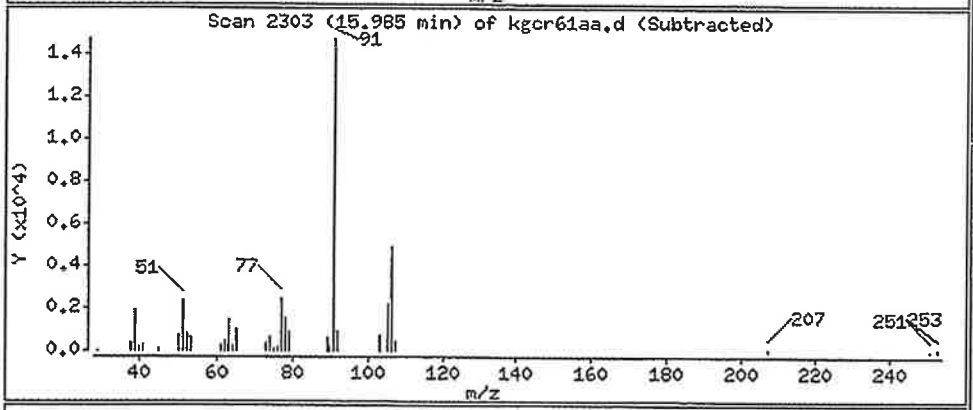
Column diameter: 0.32

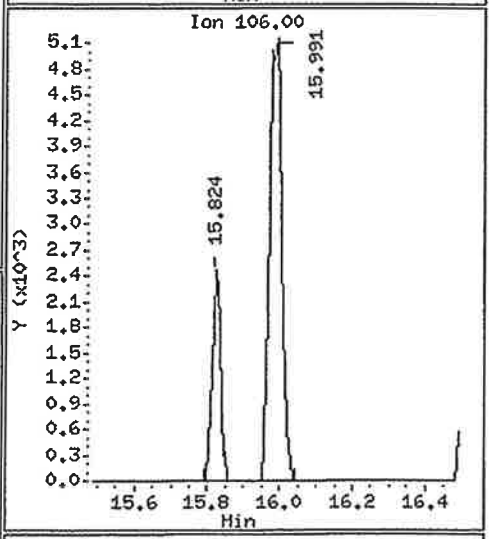
71 m&p-Xylene

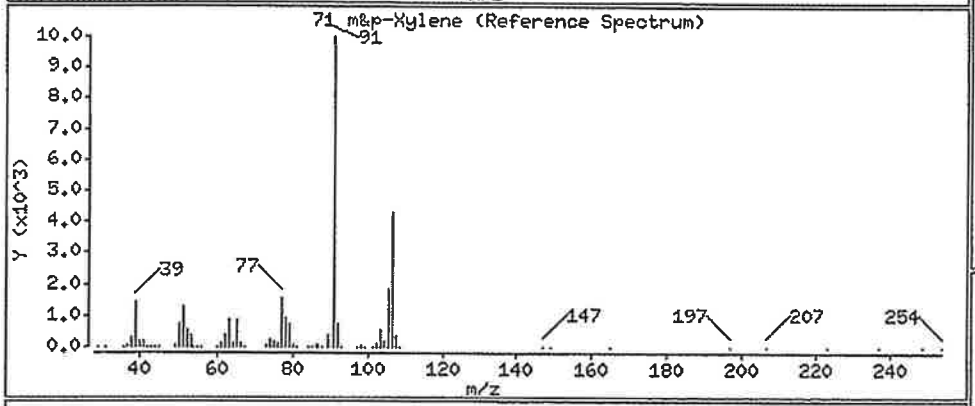
Concentration: 0.1854 ppb(v/v)

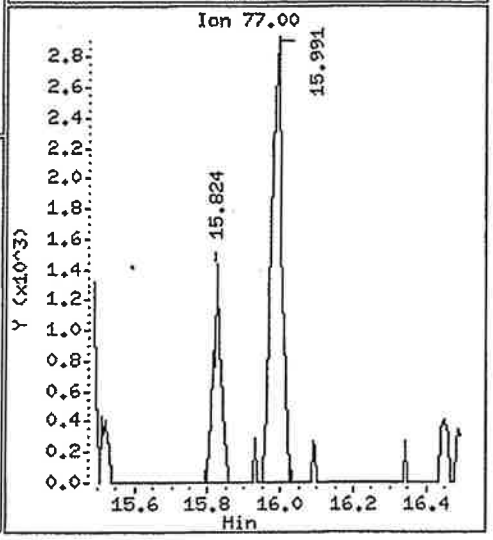


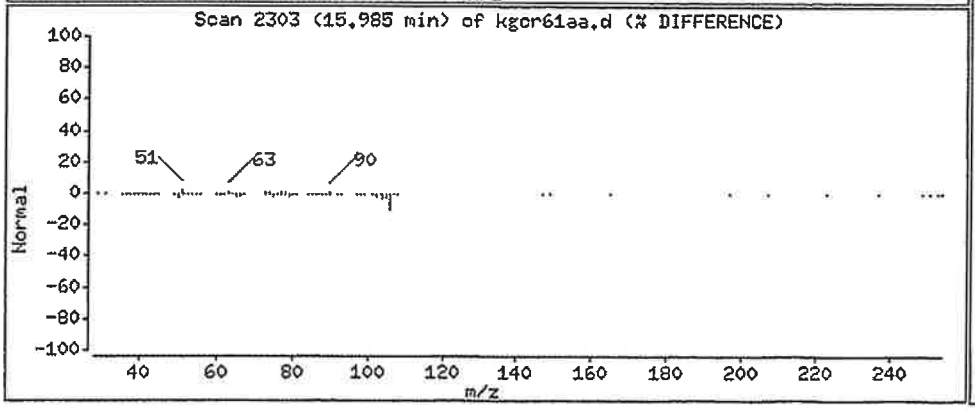












Data File: /var/chem/gcms/me.i/E020108.b/kgcr61aa.d
Report Date: 04-Feb-2008 10:59

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/me.i/E020108.b/kgcr61aa.d
Lab Smp Id: KGCR61AA Client Smp ID: BACKYARD
Inj Date : 01-FEB-2008 14:36
Operator : 7126 Inst ID: me.i
Smp Info : ,,0,,,
Misc Info : E020108,TO155,korkay.sub,,500 ML
Comment :
Method : /var/chem/gcms/me.i/E020108.b/TO155.m
Meth Date : 04-Feb-2008 10:56 layk Quant Type: ISTD
Cal Date : 16-JAN-2008 18:51 Cal File: eica169r.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: korkay.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	default calibration
Vo	500.00000	default sample volume

Cpnd Variable Local Compound Variable

ISTD	RT	HEIGHT	AMOUNT
* 1 Bromochloromethane	8.502	497718	4.000

		CONCENTRATIONS			QUANT		
RT	HEIGHT	ON-COL(ppb(v/v))	FINAL(ppb(v/v))	QUAL	LIBRARY	LIB ENTRY	CPND #
Isobutane			CAS #: 75-28-5				
3.967	151205	1.21518611	1.215	42	NIST05.1	231	1 N/A
Ethylene oxide			CAS #: 75-21-8				
4.075	611892	4.91757983	4.918	80	NIST05.1	72	1
Butane			CAS #: 106-97-8				
4.177	183054	1.47114631	1.471	40	NIST05.1	228	1

KMM 2-4-08

Data File: /var/chem/gcms/me.i/E020108.b/kgcr61aa.d
Report Date: 04-Feb-2008 10:59

RT	HEIGHT	CONCENTRATIONS ON-COL(ppb(v/v))	FINAL(ppb(v/v))	QUAL	QUANT LIBRARY	LIB ENTRY	CPND #
Ethyl alcohol					CAS #: 64-17-5		
4.672	541515	4.35198245	4.352	90	NIST05.1	93	1
Butane, 2-methyl-					CAS #: 78-78-4		
4.975	145640	1.17046199	1.170	53	NIST05.1	699	1
Acetone					CAS #: 67-64-1		
5.242	557833	4.48312498	4.483	72	NIST05.1	210	1

N/A

VM 2-4-08

Data File: /var/chem/gcms/me.i/E020108.b/kgcr61aa.d

Date : 01-FEB-2008 14:36

Client ID: BACKYARD

Instrument: me.i

Sample Info: ,,0,,,

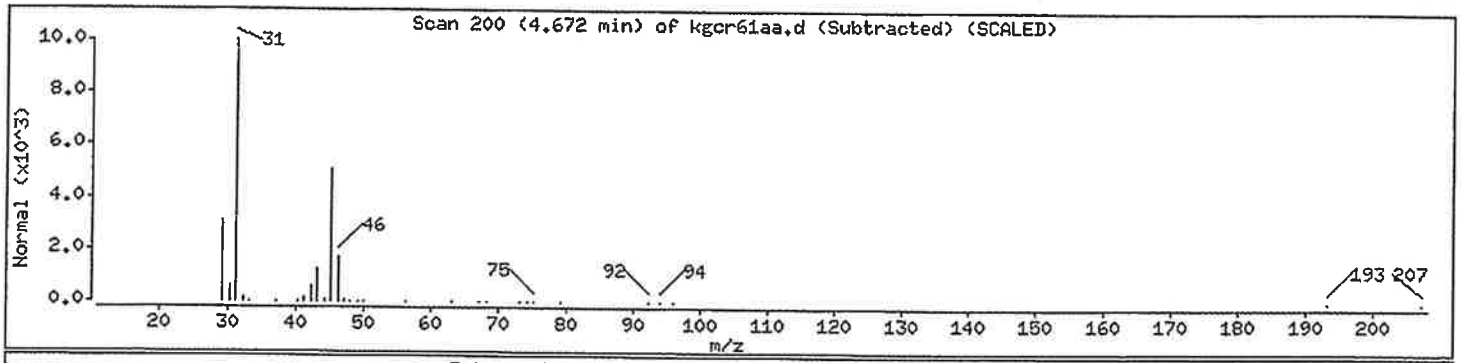
Purge Volume: 500.0

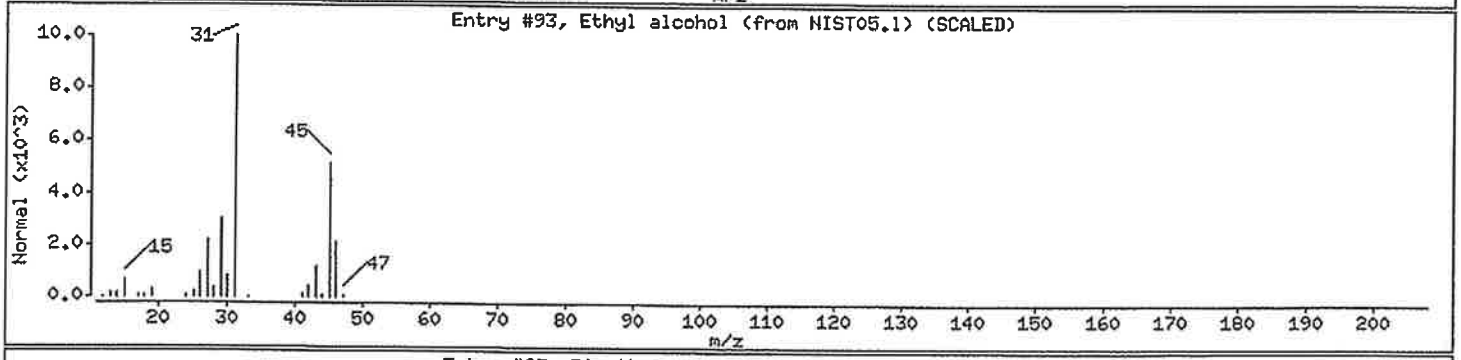
Operator: 7126

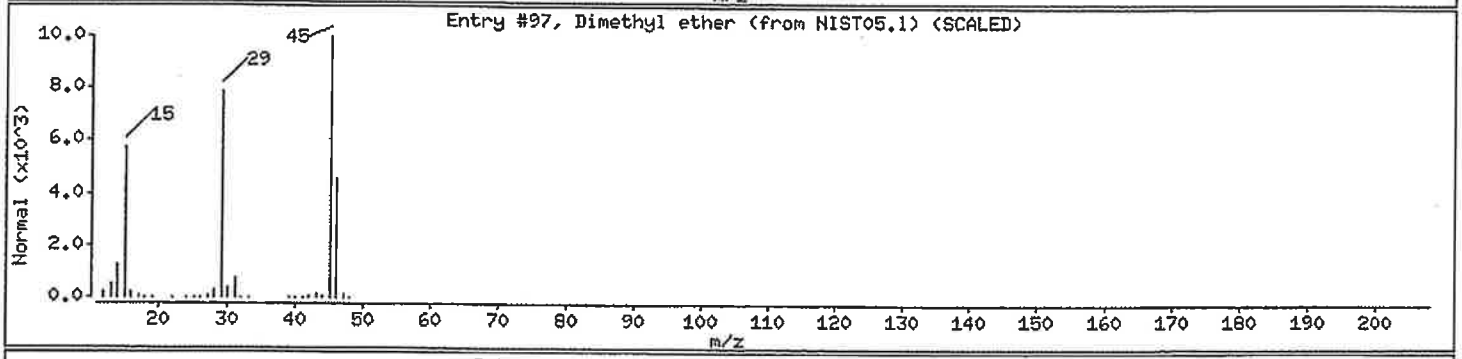
Column phase: HP-5

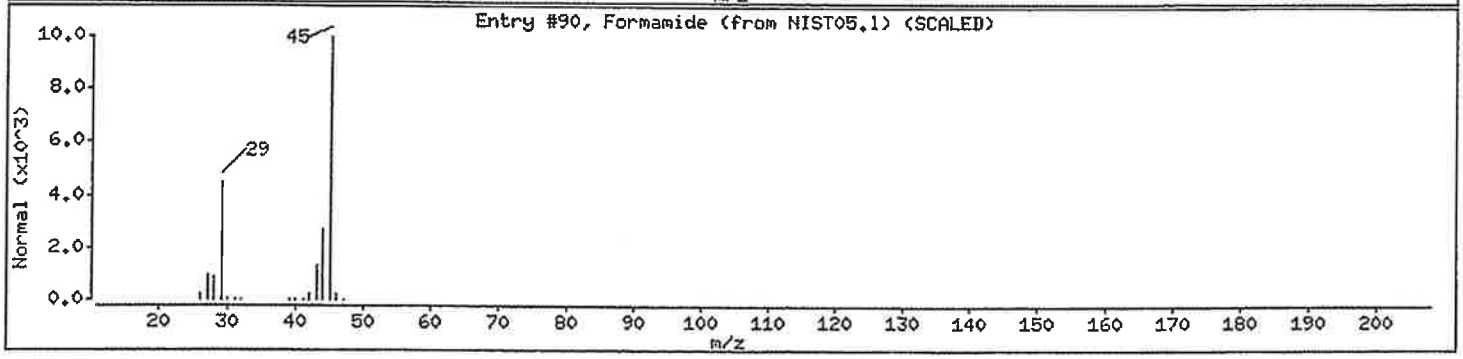
Column diameter: 0.32

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethyl alcohol	64-17-5	NIST05.l	93	90	C2H6O	46
Dimethyl ether	115-10-6	NIST05.l	97	16	C2H6O	46
Formamide	75-12-7	NIST05.l	90	5	CH3NO	45









Standards Data

TestAmerica Knoxville GC/MS Air Initial Calibration Data Review / Narrative Checklist
Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 9

Analysis Date:	011608	Instrument::	ME	ICAL Batch/Scan Name:	E011608I	Scanned □

Review Items	N/A	Yes	No	If No, why is data reportable?	2nd ➡
1. Did BFB meet tune criteria?		✓			✓
2. Were all standards injected within 24 hr of BFB?		✓			✓
3. Was date/time of analysis verified between analysis header and logbook as correct?		✓			✓
4. Is low level std at or <RL and are the remaining points consecutive?		✓			✓
5. Were at least 5 levels of each compound analyzed?		✓			✓
6. Is %RSD for all target analytes ≤ 30%? (with up to 2 compounds with RSD ≤ 40%)		✓		1,2,4-trichlorobenzene (33%)	✓
7. Have all peaks been auto identified? If not, list:		✓			✓ ✓
8. If curves were used, is correlation coefficient ≥0.990?	✓				NA
9. At least 6 consecutive points used for quadratic curves, and at least 5 consecutive points for linear curves?	✓				NA
10. For linear or quadratic: is a tangent's slope to the curve entirely positive or negative and continuous.	✓				NA
11. For linear or quadratic: origin NOT included or forced?	✓				NA
12. Is the "Y" intercept less than the RL for each curve?	✓				NA
13. RT for each IS ±20 sec avg. RT?		✓			✓
14. Area for each IS ± 40% avg. area?		✓			✓
15. Each analyte ± 0.06 RRT of avg. RRT?		✓			✓
16. If manual integrations were performed, are they clearly identified, initialed, dated and reason given?	✓			Reasons: 1)Corrected split peak; 2)Unresolved peak; 3)tailing; 4)RT shift; 5)wrong peak selected; 6)other	NA
17. Have alternate hits/manual integrations been verified as correct and are correct RFs listed in ICAL summary?	✓				NA
18. Was ICAL summary form processed using correct methods and files?		✓			✓
19. Are the ICAL start and end dates/times correct on ICAL summary?		✓			✓
20. Elution order checked on isomeric pairs?		✓			✓
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane		✓			✓
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane		✓			✓
• vinyl acetate / hexane		✓			✓
• cis- and trans- isomers		✓			✓
• ethyl benzene / m/p-xylene / o-xylene		✓			✓
• 4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene		✓			✓
• 1,3-, 1,4-, and 1,2-dichlorobenzene		✓			✓
21. Is the second source analysis of a reference standard within limits? (65-135% R; 20-180% for benzyl chloride)		✓		EICVA16- high for last cmpds. RR E012508- ECCVA25. OK.	✓
22. If criteria were not met, was a NCM generated, approved by supervisor, and copy included in folder?	✓				NA
23. Does the ICAL folder contain complete data in the following order: Data review checklist, a complete runlog, Entech report, BFB info, ICAL summary, curves, followed by [Quan reports, chromatograms, manual integrations] in increasing amount order.		✓			✓

Analyst:	Date: 1/25/08	2nd Level Reviewer:	Date: 01/27/08
Comments:		Comments:	
Upper range 16 ppbv - tert-butanol, MeCl2, 1-butanol, 2-hexanone			
Upper range 8 ppbv - MTBE			

TestAmerica Knoxville
TO-14/15 RUN LOG

GCMS Analysis: TO-14/15 Inst: ME

Analyst: HLC Qtims Batch: N/A

Date: 1-16-08 ICAL Batch: E011608I Target Batch: E011608I IS #1 Area: 211790

Surr/IS ID & Vol.: 20mL V176 System Date/Time ok (y/n): y

Preventive Maintenance Performed ☑ Daily

Time	Use	Lot No.	File ID	Can #	Pos	Vol* (mL)	Can DF	Comments
1105	✓	tune	EBFBA16	—	14	0	1	
1133	N	ICAL 9	E1CA169	CX1689	12	19		IS areas too high RR.
1215	✓	1	1			40		
1258	✓	2	2			80		
1340	✓	3	3	↓	↓	160		
1417	✓	4	4	CX1680	13	18		
1500	✓	5	5			40		
1538	✓	6	6			80		
1616	✓	7	7	↓	↓	160		
1732	N	blk	blank	—	16	240		operator error - RR 1/18.
1812	N	↓	blank1	—	16	200		
1851	✓	ICAL 9	E1CA169R	CX1689	12	19		
2009	✓	ICV	E1CVA16	CX1672	14	40		high at end RR on 1/25/08 OK.
0823	✓	ICAL 8	E1CA168	CX1680	13	240	↓	

1/25/08

* Entech programmed Volume. If the Entech report amount differs from the programmed amount by >5%, the Entech report amount is used for calulations.

Analyst: _____ Date: 1-25-08

TestAmerica Knoxville
TO-14/15 RUN LOG

GCMS Analysis: TO-14/15 Inst: ME

Analyst: HWT Qtims Batch: 8029057 KF7W6

Date: 1-25-08 ICAL Batch: E011608I Target Batch: E012508 IS #1 Area: 174151

Surr/IS ID & Vol.: 20mL V176 System Date/Time ok (y/n): y

Preventive Maintenance Performed ☐Daily

Time	Use	Lot No.	File ID	Can #	Pos	Vol* (mL)	Can DF	Comments
0523	✓	fume	EBFBA25	–	–	0	1	
0629	✓	CCV	ECCVA25	CX1671	15	40		ICV
0629	✓	LCS	ELCSA25	↓	15	40		
1145	N	BLK	Blank	–	16	200		
1222	✓	↓	EBLKA25	–	↓	↓		
1323	✓	H8A220170	KFWS21AA	11409	1	20		
1400	✓	↓	↓ S3 ↓	6656	2	20		
1438	✓	H8A170185	KFNWP1AC	62342N	3	200	6	7014nj
1516	✓		W1	1008N	4	330	1.65	
1556	✓		W5	3284N	5	318	1.59	
1633	✓		W7 ↓	62274N	6	282	1.41	
1711	✓	H8A220173	KFW6C1AA	6369	7	200	1	westonnj
1748	✓		6D	6115	8			
1825	✓		6F	1009	9			
1902	✓		6G	12842	10			
1939	✓		6J	6669	11			
2016	✓		6K	6372	12			
2054	✓		6M	1425	13			
2131	✓		6P	S1530	14			
2208	✓		6Q ↓	1332	15			
2245	dry ✓		6QD	1332	15	↓	↓	
2322	✓		6W1AA	9311 2	1	200	1	
NOT Run		↓	6X ↓	04426	2	↓	↓	
		H8A230119	KFX841AA	13666	3	20	1	earthtech
	↓	H8A210143	KFVP01AA	–	4	43	5.42	1/25 final df btex only
				01/28/08				

* Entech programmed Volume. If the Entech report amount differs from the programmed amount by >5%, the Entech report amount is used for calulations.

Analyst: Date: 01/28/08

Test America - Knoxville

Entech Autosampler Log

Sample	Position	Volume	AnDate	AnTime
bfb	14	0	1/16/2008	11:05
ical9	12	19	1/16/2008	11:33
ical1	12	41	1/16/2008	12:15
ical2	12	80	1/16/2008	12:58
ical3	12	161	1/16/2008	13:40
ical4	13	18	1/16/2008	14:17
ical5	13	41	1/16/2008	15:00
ical6	13	81	1/16/2008	15:38
ical7	13	161	1/16/2008	16:16
BLK	16	240	1/16/2008	17:32
BLK	16	200	1/16/2008	18:12
ICAL9	12	19	1/16/2008	18:51
ICV	14	40	1/16/2008	20:09
ical8	13	242	1/17/2008	8:23

080125.zzz

TA-Knoxville
TO-14 Autosampler Log

Sample	Position/Volume	Date	Time
bfb	STD- 0 mL	1/25/2008	5:51:44 AM
CCV	15 - 40 mL	1/25/2008	6:29:30 AM
BLK	16 - 200 mL	1/25/2008	11:45:56 AM
BLK	16 - 202 mL	1/25/2008	12:22:48 PM
KFW52	1 - 21 mL	1/25/2008	1:23:09 PM
KFW53	2 - 21 mL	1/25/2008	2:00:52 PM
KFNWP	3 - 200 mL	1/25/2008	2:38:28 PM
KFNW1	4 - 330 mL	1/25/2008	3:16:37 PM
KFNW5	5 - 319 mL	1/25/2008	3:56:09 PM
KFNW7	6 - 283 mL	1/25/2008	4:33:46 PM
KFW6C	7 - 201 mL	1/25/2008	5:11:30 PM
KFW6D	8 - 201 mL	1/25/2008	5:48:40 PM
KFW6F	9 - 201 mL	1/25/2008	6:25:47 PM
KFW6G	10 - 202 mL	1/25/2008	7:02:53 PM
KFW6J	11 - 201 mL	1/25/2008	7:39:53 PM
KFW6K	12 - 200 mL	1/25/2008	8:16:57 PM
KFW6M	13 - 201 mL	1/25/2008	8:54:11 PM
KFW6P	14 - 201 mL	1/25/2008	9:31:11 PM
KFW6Q	15 - 200 mL	1/25/2008	10:08:09 PM
KFW6Q	15 - 201 mL	1/25/2008	10:45:12 PM
KFW6W	1 - 201 mL	1/25/2008	11:22:18 PM

Data File: /chem/gcms/me.i/E011608I.b/ebfba16.d

Date : 16-JAN-2008 11:05

Client ID: BFB

Instrument: me.i

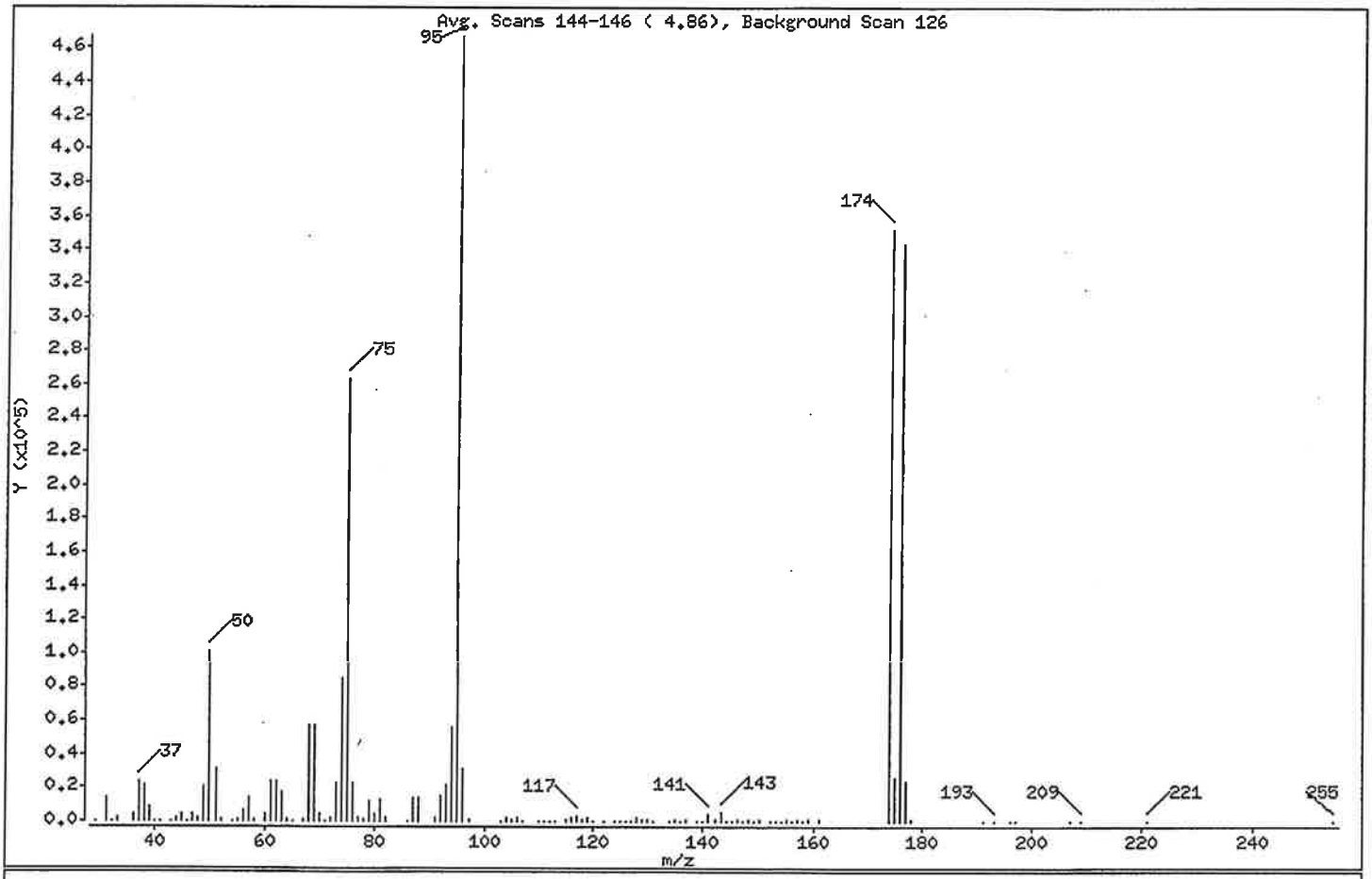
Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: HP-5

Column diameter: 0.32

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.66
75	30.00 - 60.00% of mass 95	56.34
96	5.00 - 9.00% of mass 95	6.59
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	75.40
175	5.00 - 9.00% of mass 174	5.45 (7.23)
176	95.00 - 101.00% of mass 174	73.66 (97.69)
177	5.00 - 9.00% of mass 176	5.01 (6.81)

Data File: /chem/gcms/me.i/E011608I.b/ebfba16.d

Date : 16-JAN-2008 11:05

Client ID: BFB

Instrument: me.i

Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: HP-5

Column diameter: 0.32

Data File: ebfba16.d

Spectrum: Avg. Scans 144-146 (4.86), Background Scan 126

Location of Maximum: 95.00

Number of points: 119

m/z	Y	m/z	Y	m/z	Y	m/z	Y
29.00	125	65.00	69	106.00	1900	144.00	371
31.00	13514	67.00	1512	107.00	395	145.00	343
32.00	218	68.00	56496	110.00	175	146.00	623
33.00	1778	69.00	56936	111.00	345	147.00	501
36.00	4238	70.00	4016	112.00	269	148.00	1156
37.00	23744	71.00	143	113.00	354	149.00	423
38.00	20952	72.00	2620	115.00	620	150.00	582
39.00	8468	73.00	22216	116.00	1746	152.00	347
40.00	434	74.00	85224	117.00	2998	153.00	348
41.00	38	75.00	263040	118.00	1577	154.00	418
43.00	379	76.00	22568	119.00	2230	155.00	1237
44.00	2373	77.00	2200	120.00	118	156.00	40
45.00	4144	78.00	1440	122.00	69	157.00	1038
46.00	302	79.00	12073	124.00	309	158.00	93
47.00	4541	80.00	3899	125.00	80	159.00	615
48.00	2599	81.00	13085	126.00	141	161.00	596
49.00	20720	82.00	2447	127.00	79	174.00	352128
50.00	101160	86.00	235	128.00	1629	175.00	25472
51.00	30784	87.00	14368	129.00	790	176.00	344000
52.00	1075	88.00	14335	130.00	1508	177.00	23416
54.00	121	91.00	1677	131.00	513	178.00	609
55.00	1124	92.00	14521	134.00	67	191.00	73
56.00	6862	93.00	21072	135.00	605	193.00	176
57.00	13712	94.00	55824	136.00	90	196.00	71
58.00	540	95.00	466944	137.00	867	197.00	66
60.00	4445	96.00	30792	139.00	67	207.00	127
61.00	23488	97.00	971	140.00	107	209.00	218
62.00	23536	103.00	388	141.00	4822	221.00	179
63.00	17584	104.00	2108	142.00	588	255.00	58
64.00	1481	105.00	957	143.00	5070		

Data File: /chem/gcms/me.i/E011608I.b/ebfba16.d

Date : 16-JAN-2008 11:05

Client ID: BFB

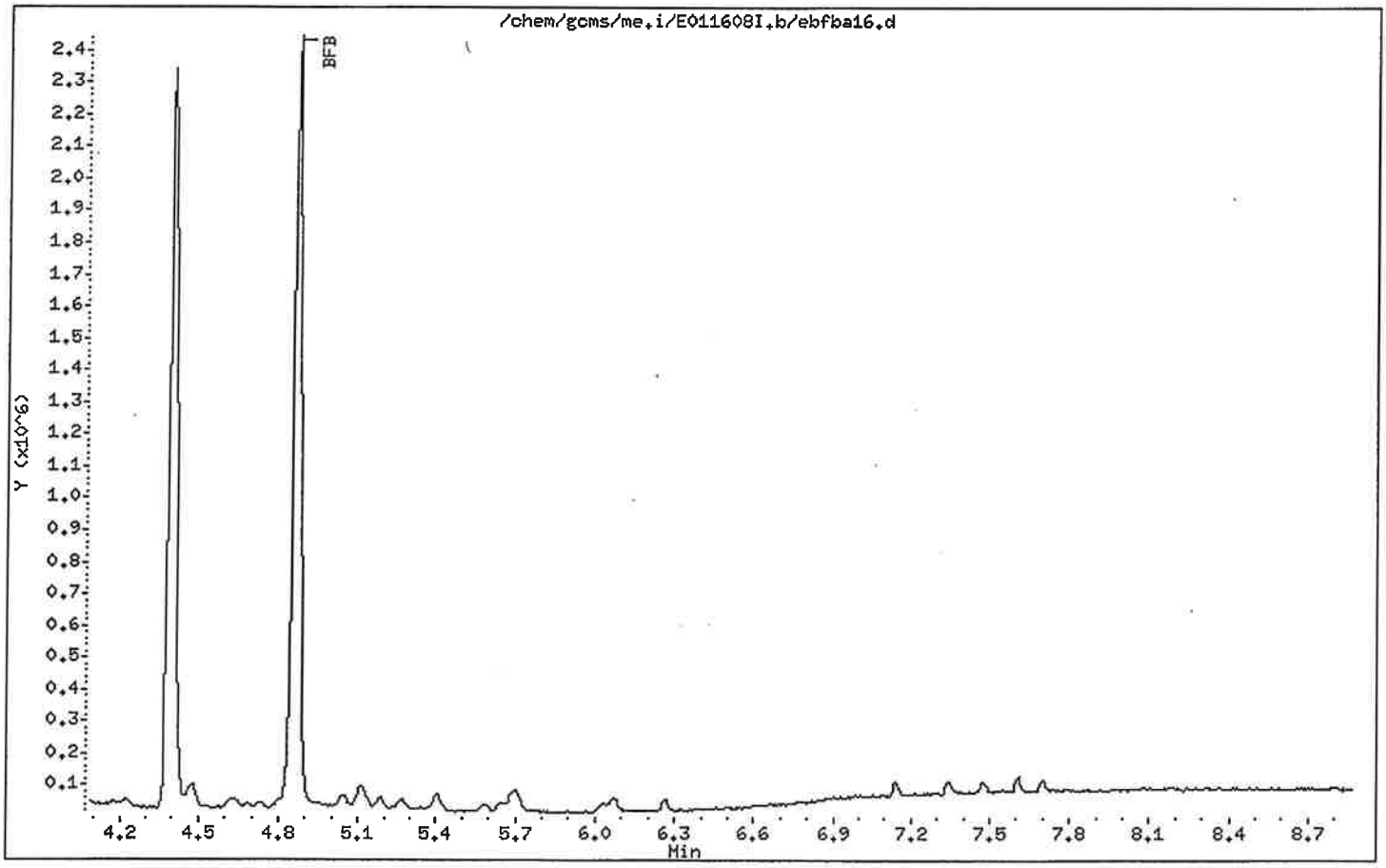
Instrument: me.i

Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: HP-5

Column diameter: 0.32



Data File: /var/chem/gcms/me.i/E012508.b/ebfba25.d

Date : 25-JAN-2008 05:23

Client ID: BFB

Instrument: me.i

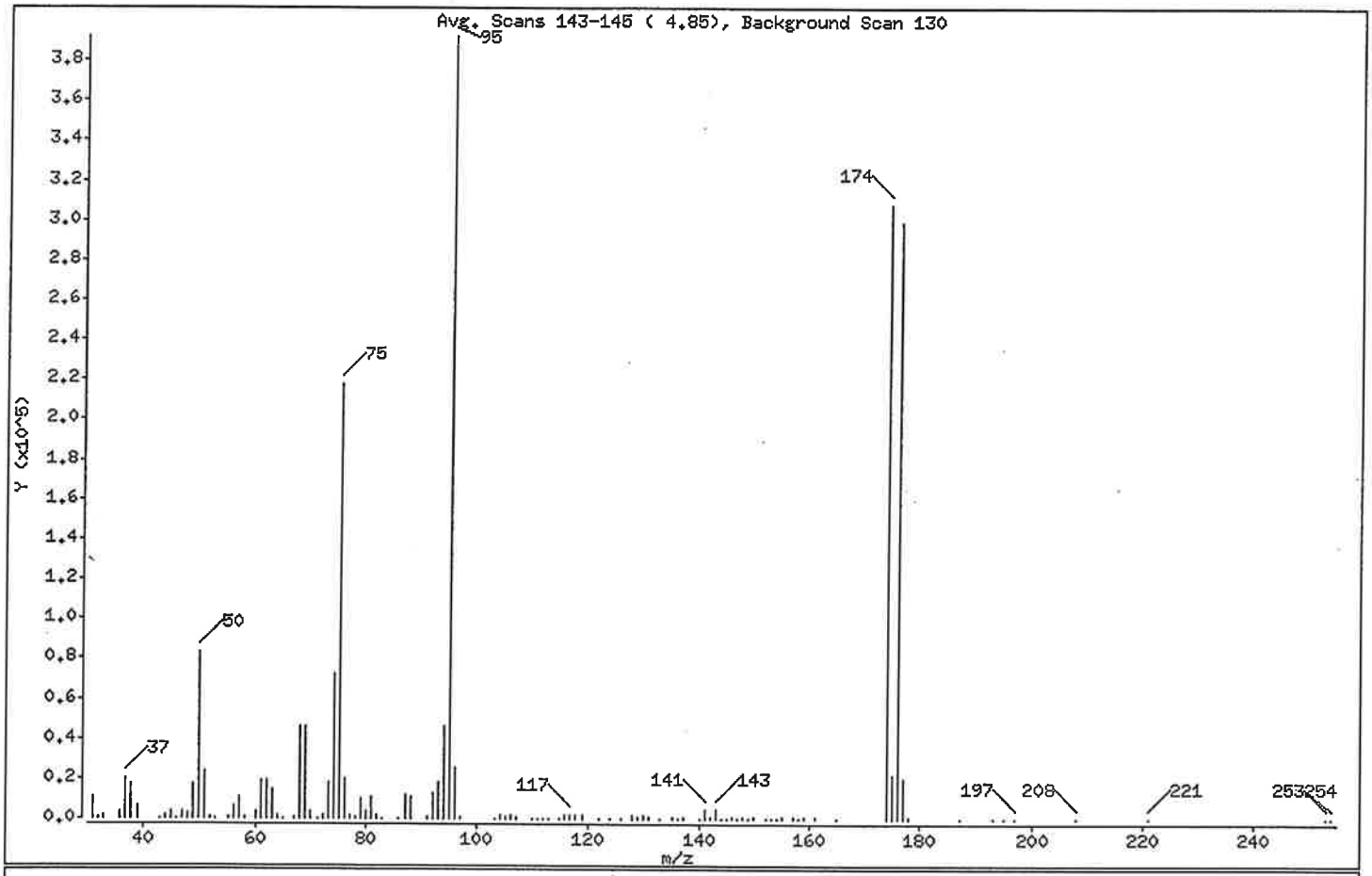
Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: HP-5

Column diameter: 0.32

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.27
75	30.00 - 60.00% of mass 95	55.58
96	5.00 - 9.00% of mass 95	6.48
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	78.50
175	5.00 - 9.00% of mass 174	5.62 (7.15)
176	95.00 - 101.00% of mass 174	76.17 (97.02)
177	5.00 - 9.00% of mass 176	5.06 (6.64)

Data File: /var/chem/gcms/me.i/E012508.b/ebfba25.d

Date : 25-JAN-2008 05:23

Client ID: BFB

Instrument: me.i

Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: HP-5

Column diameter: 0.32

Data File: ebfba25.d

Spectrum: Avg. Scans 143-145 (4.85), Background Scan 130

Location of Maximum: 95.00

Number of points: 113

m/z	Y	m/z	Y	m/z	Y	m/z	Y
31.00	10612	68.00	45840	106.00	1451	147.00	162
32.00	961	69.00	46288	107.00	455	148.00	1197
33.00	1662	70.00	3261	110.00	163	149.00	424
36.00	3658	71.00	182	111.00	152	150.00	591
37.00	19752	72.00	1950	112.00	93	152.00	68
38.00	16856	73.00	17808	113.00	332	153.00	325
39.00	6648	74.00	72608	115.00	414	154.00	202
43.00	72	75.00	217792	116.00	1403	155.00	1081
44.00	1886	76.00	19784	117.00	2094	157.00	763
45.00	3901	77.00	2030	118.00	1462	158.00	69
46.00	224	78.00	918	119.00	1782	159.00	591
47.00	3679	79.00	10242	122.00	75	161.00	604
48.00	2345	80.00	3177	124.00	167	165.00	77
49.00	16832	81.00	10556	126.00	75	174.00	307584
50.00	83336	82.00	1984	128.00	1357	175.00	22008
51.00	23744	83.00	375	129.00	707	176.00	298432
52.00	973	86.00	154	130.00	1478	177.00	19808
53.00	110	87.00	11631	131.00	614	178.00	568
55.00	1071	88.00	11217	133.00	96	187.00	67
56.00	6309	91.00	1233	135.00	869	193.00	75
57.00	11165	92.00	12328	136.00	90	195.00	79
58.00	534	93.00	17960	137.00	805	197.00	163
60.00	4031	94.00	45744	140.00	177	208.00	47
61.00	19344	95.00	391808	141.00	4479	221.00	115
62.00	19176	96.00	25376	142.00	563	253.00	52
63.00	14075	97.00	842	143.00	4484	254.00	76
64.00	1388	103.00	77	144.00	302		
65.00	172	104.00	1660	145.00	362		
67.00	773	105.00	502	146.00	554		

Data File: /var/chem/gcms/me.i/E012508.b/ebfba25.d

Date : 25-JAN-2008 05:23

Client ID: BFB

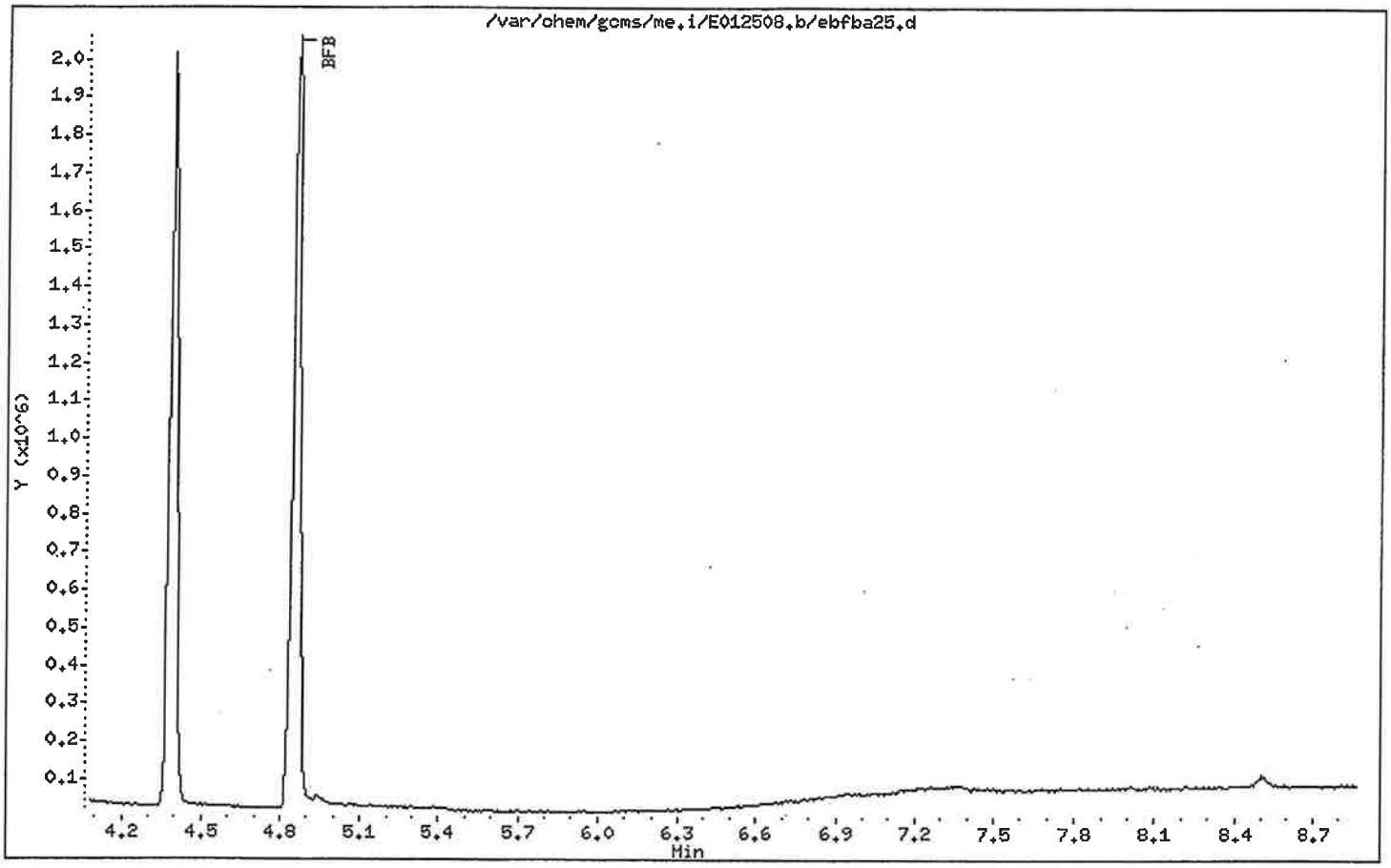
Instrument: me.i

Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: HP-5

Column diameter: 0.32



Report Date:01/25/2008

INITIAL CALIBRATION RT and RRT REPORT

STD 1 = /var/chem/gcms/me.i/E011608I.b/eica169r.d
STD 2 = /var/chem/gcms/me.i/E011608I.b/eica161.d
STD 3 = /var/chem/gcms/me.i/E011608I.b/eica162.d
STD 4 = /var/chem/gcms/me.i/E011608I.b/eica163.d
STD 5 = /var/chem/gcms/me.i/E011608I.b/eica164.d
STD 6 = /var/chem/gcms/me.i/E011608I.b/eica165.d
STD 7 = /var/chem/gcms/me.i/E011608I.b/eica166.d
STD 8 = /var/chem/gcms/me.i/E011608I.b/eica167.d
STD 9 = /var/chem/gcms/me.i/E011608I.b/eica168.d

COMPOUND	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	MEAN
1,4-Difluorobenzene	10.691	10.692	10.697	10.691	10.691	10.697	10.691	10.691	10.691	10.692
Chlorobenzene-d5	15.468	15.474	15.474	15.468	15.468	15.474	15.468	15.474	15.468	15.471
Bromochloromethane	8.496	8.497	8.502	8.502	8.496	8.502	8.496	8.502	8.496	8.499
1,2-Dichloroethane-d4	0.886	0.886	0.886	0.887	0.887	0.886	0.886	0.887	0.887	0.886
4-Bromofluorobenzene	1.107	1.107	1.107	1.107	1.107	1.107	1.107	1.107	1.107	1.107
Toluene-d8	0.864	0.864	0.864	0.864	0.864	0.864	0.864	0.864	0.864	0.864
1,4-Dichlorobenzene	1.208	1.208	1.208	1.208	1.208	1.208	1.208	1.208	1.208	1.208
p-Cymene	1.214	1.214	1.214	1.214	1.214	1.214	1.214	1.214	1.214	1.214
d-Limonene	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00
Chlorodifluoromethane	NA	0.437	0.438	0.437	0.437	0.437	0.437	0.437	0.437	0.437
1,2-Dichlorobenzene	1.232	1.232	1.232	1.232	1.232	1.232	1.232	1.232	1.232	1.232
Dichlorodifluoromethane	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444	0.444
Chloromethane	NA	NA	0.464	0.463	0.464	0.463	0.463	0.463	0.464	0.463
1,2-Dichlorotetrafluoroethan	NA	0.464	0.465	0.464	0.465	0.465	0.464	0.464	0.464	0.464
Methanol	NA	NA	NA	NA	0.477	0.477	0.476	0.476	0.476	0.476
Vinyl Chloride	0.481	0.481	0.482	0.482	0.482	0.482	0.481	0.481	0.481	0.481
n-Butane	NA	0.491	0.492	0.491	0.492	0.492	0.492	0.491	0.492	0.492
1,3-Butadiene	NA	0.491	0.492	0.491	0.492	0.491	0.491	0.491	0.491	0.491
Bromomethane	NA	0.525	0.526	0.525	0.525	0.525	0.525	0.525	0.525	0.525
Chloroethane	NA	0.540	0.541	0.541	0.541	0.541	0.540	0.540	0.540	0.540
Vinyl Bromide	NA	0.573	0.573	0.572	0.573	0.573	0.573	0.572	0.573	0.573
n-butylbenzene	1.243	1.242	1.242	1.243	1.243	1.242	1.243	1.242	1.243	1.242
Trichlorofluoromethane	0.603	0.603	0.603	0.603	0.603	0.603	0.602	0.602	0.602	0.603
Acrolein	NA	NA	0.605	0.603	0.604	0.603	0.603	0.603	0.602	0.603
Acetonitrile	NA	NA	NA	0.609	0.610	0.610	0.609	0.609	0.609	0.609
Acetone	NA	NA	NA	NA	0.617	0.616	0.617	0.616	0.616	0.616
Pentane	NA	NA	NA	0.627	0.628	0.628	0.627	0.627	0.627	0.627
Undecane	NA	NA	1.265	1.266	1.266	1.265	1.266	1.265	1.266	1.266
Ethyl Ether	NA	0.648	0.648	0.647	0.647	0.646	0.647	0.646	0.646	0.647
1,1-Dichloroethene	NA	0.680	0.680	0.678	0.679	0.678	0.678	0.678	0.678	0.679
Acrylonitrile	NA	NA	NA	0.690	0.690	0.690	0.690	0.689	0.690	0.690
tert-butanol	NA	NA	0.690	0.690	0.689	0.689	0.690	0.690	NA	0.690
1,1,2-Trichlorotrifluoroetha	0.700	0.700	0.701	0.699	0.700	0.700	0.700	0.699	0.700	0.700
Methylene Chloride	NA	NA	0.717	0.716	0.716	0.716	0.716	0.715	NA	0.716
3-Chloropropene	NA	0.718	0.719	0.718	0.719	0.719	0.718	0.718	0.718	0.718
Carbon Disulfide	0.734	0.733	0.734	0.732	0.733	0.733	0.733	0.732	0.733	0.733
2,3-Dimethyl butane	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00

Evaluation Criteria
Internal Standard RT shift within 20 seconds of mean RT
Target compound RRT within 0.06 RRT of the RRT mean
Note: IS data is RT, SS and Target Compound Data is RRT.

Report Date:01/25/2008

INITIAL CALIBRATION RT and RRT REPORT

STD 1 = /var/chem/gcms/me.i/E011608I.b/eica169r.d
STD 2 = /var/chem/gcms/me.i/E011608I.b/eica161.d
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STD 8 = /var/chem/gcms/me.i/E011608I.b/eica167.d
STD 9 = /var/chem/gcms/me.i/E011608I.b/eica168.d

COMPOUND	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	MEAN
trans-1,2-Dichloroethene	NA	0.807	0.807	0.806	0.806	0.806	0.806	0.806	0.806	0.806
Methyl-t-Butyl Ether	NA	0.827	0.827	0.827	0.825	0.825	0.826	NA	NA	0.826
1,1-Dichloroethane	0.853	0.854	0.854	0.852	0.853	0.853	0.853	0.852	0.853	0.853
Vinyl Acetate	NA	0.870	0.869	0.868	0.868	0.868	0.868	0.868	0.868	0.868
Hexane	NA	0.923	0.923	0.922	0.922	0.922	0.922	0.922	0.922	0.922
2-Butanone	NA	NA	0.922	0.921	0.919	0.919	0.920	0.919	0.920	0.920
cis 1,2-Dichloroethene	0.964	0.964	0.963	0.963	0.964	0.963	0.964	0.963	0.964	0.964
4-tert-Butyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00
Chloroform	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002	1.002
Camphor	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00
1,1,1-Trichloroethane	1.121	1.122	1.121	1.121	1.122	1.121	1.122	1.121	1.121	1.121
1,2-Dichloroethane	0.899	0.901	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900
Benzene	0.946	0.947	0.946	0.947	0.947	0.946	0.946	0.947	0.947	0.946
1-Butanol	NA	NA	0.949	0.948	0.947	0.946	0.946	0.947	NA	0.947
Cyclohexane	NA	NA	0.948	0.947	0.947	0.947	0.947	0.948	0.948	0.947
Carbon Tetrachloride	0.949	0.949	0.949	0.949	0.949	0.949	0.949	0.949	0.949	0.949
2,2,4-trimethylpentane	NA	1.024	1.024	1.024	1.024	1.023	1.024	1.024	1.024	1.024
Heptane	NA	1.060	1.059	1.059	1.059	1.059	1.059	1.060	1.060	1.059
1,2-Dichloropropane	NA	1.063	1.063	1.063	1.062	1.062	1.063	1.063	1.063	1.063
Hexachlorobutadiene	NA	1.367	1.367	1.368	1.368	1.367	1.368	1.367	1.367	1.367
Trichloroethene	1.066	1.065	1.065	1.066	1.066	1.065	1.066	1.066	1.066	1.066
Dibromomethane	1.072	1.072	1.072	1.072	1.072	1.071	1.072	1.072	1.072	1.072
Bromodichloromethane	1.086	1.086	1.086	1.086	1.086	1.086	1.086	1.086	1.086	1.086
Napthalene	NA	NA	1.351	1.352	1.352	1.351	1.352	1.351	1.352	1.352
1,2,4-Trichlorobenzene	NA	1.343	1.343	1.343	1.343	1.343	1.343	1.343	1.343	1.343
4-Methyl-2-pentanone	NA	1.183	1.183	1.183	1.182	1.182	1.182	1.183	1.183	1.183
cis-1,3-Dichloropropene	1.184	1.184	1.183	1.184	1.184	1.183	1.183	1.184	1.183	1.184
trans-1,3-Dichloropropene	0.864	0.864	0.864	0.864	0.864	0.864	0.864	0.864	0.864	0.864
Toluene	0.872	0.871	0.872	0.872	0.872	0.872	0.872	0.872	0.872	0.872
1,1,2-Trichloroethane	0.876	0.876	0.876	0.876	0.876	0.876	0.876	0.876	0.876	0.876
2-Hexanone	NA	NA	0.905	0.905	0.905	0.905	0.905	0.905	NA	0.905
Octane	NA	NA	0.920	0.920	0.920	0.920	0.920	0.920	0.920	0.920
Dibromochloromethane	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921	0.921
1,2-Dibromoethane	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940
Tetrachloroethene	0.946	0.946	0.946	0.946	0.946	0.946	0.946	0.946	0.946	0.946
Chlorobenzene	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003	1.003
Ethylbenzene	1.023	1.023	1.023	1.023	1.023	1.023	1.023	1.023	1.023	1.023

Evaluation Criteria
Internal Standard RT shift within 20 seconds of mean RT
Target compound RRT within 0.06 RRT of the RRT mean
Note: IS data is RT, SS and Target Compound Data is RRT.

Report Date:01/25/2008 Page 3

INITIAL CALIBRATION RT and RRT REPORT

STD 1 = /var/chem/gcms/me.i/E011608I.b/eica169r.d
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STD 6 = /var/chem/gcms/me.i/E011608I.b/eica165.d
STD 7 = /var/chem/gcms/me.i/E011608I.b/eica166.d
STD 8 = /var/chem/gcms/me.i/E011608I.b/eica167.d
STD 9 = /var/chem/gcms/me.i/E011608I.b/eica168.d

COMPOUND	STD 1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7	STD 8	STD 9	MEAN
m&p-Xylene	1.034	1.034	1.033	1.034	1.034	1.034	1.034	1.034	1.034	1.034
Bromoform	1.060	1.060	1.060	1.060	1.060	1.060	1.060	1.060	1.060	1.060
Nonane	1.064	1.064	1.064	1.064	1.064	1.064	1.064	1.064	1.064	1.064
Styrene	1.064	1.063	1.063	1.064	1.064	1.063	1.064	1.063	1.064	1.064
o-Xylene	1.068	1.067	1.067	1.068	1.068	1.067	1.068	1.067	1.068	1.068
1,1,2,2-Tetrachloroethane	1.088	1.088	1.088	1.088	1.088	1.088	1.088	1.088	1.088	1.088
1,2,3-Trichloropropane	NA	1.098	1.098	1.098	1.098	1.098	1.098	1.098	1.099	1.098
Cumene	1.107	1.106	1.106	1.107	1.107	1.106	1.107	1.106	1.107	1.106
a-Pinene	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00
n-Propylbenzene	1.142	1.142	1.142	1.142	1.142	1.142	1.142	1.142	1.142	1.142
Camphene	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00
2-chlorotoluene	1.144	1.144	1.144	1.144	1.144	1.144	1.144	1.144	1.144	1.144
4-Ethyltoluene	1.152	1.152	1.152	1.152	1.152	1.152	1.152	1.152	1.152	1.152
1,3,5-Trimethylbenzene	1.158	1.157	1.157	1.157	1.158	1.157	1.158	1.157	1.158	1.157
Alpha-Methylstyrene	NA	1.172	1.172	1.172	1.172	1.172	1.172	1.172	1.172	1.172
b-Pinene	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00
Decane	NA	1.178	1.178	1.179	1.179	1.179	1.179	1.179	1.179	1.179
Dodecane	NA	NA	NA	1.335	1.335	1.334	1.335	1.334	1.335	1.335
1,2,4-Trimethylbenzene	1.186	1.186	1.186	1.186	1.186	1.186	1.186	1.186	1.186	1.186
sec-butylbenzene	1.203	1.203	1.203	1.203	1.203	1.203	1.203	1.203	1.203	1.203
1,3-Dichlorobenzene	1.202	1.202	1.202	1.203	1.203	1.202	1.202	1.202	1.203	1.202
Benzyl Chloride	1.208	1.208	1.207	1.208	1.208	1.207	1.208	1.208	1.208	1.208
Propene	NA	NA	0.439	0.439	0.439	0.439	0.438	0.438	0.438	0.438
2-methyl butane	NA	0.580	0.580	0.579	0.580	0.579	0.579	0.578	0.579	0.579
Isopropyl Alcohol	NA	0.626	0.626	0.625	0.624	0.624	0.624	0.624	0.624	0.625
Ethyl Acetate	NA	NA	0.992	0.992	0.991	0.990	0.991	0.990	0.991	0.991
Tetrahydrofuran	NA	NA	1.058	1.057	1.054	1.054	1.054	1.053	1.054	1.055
1,4-dioxane	NA	1.094	1.093	1.094	1.092	1.092	1.092	1.092	1.092	1.093
Methyl Methacrylate	1.102	1.102	1.102	1.102	1.101	1.100	1.101	1.101	1.101	1.101
Tert-butylbenzene	1.185	1.185	1.185	1.185	1.185	1.185	1.185	1.185	1.185	1.185
1,2,3-trichlorobenzene	NA	NA	1.370	1.371	1.371	1.370	1.371	1.370	1.371	1.370

Evaluation Criteria
Internal Standard RT shift within 20 seconds of mean RT
Target compound RRT within 0.06 RRT of the RRT mean
Note: IS data is RT, SS and Target Compound Data is RRT.

Report Date : 25-Jan-2008 08:52

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 16-JAN-2008 12:15
End Cal Date : 17-JAN-2008 08:23
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/me.i/E011608I.b/TO155.m
Cal Date : 25-Jan-2008 08:46 tajh
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcms/me.i/E011608I.b/eica161.d
Level 2: /var/chem/gcms/me.i/E011608I.b/eica162.d
Level 3: /var/chem/gcms/me.i/E011608I.b/eica163.d
Level 4: /var/chem/gcms/me.i/E011608I.b/eica164.d
Level 5: /var/chem/gcms/me.i/E011608I.b/eica165.d
Level 6: /var/chem/gcms/me.i/E011608I.b/eica166.d
Level 7: /var/chem/gcms/me.i/E011608I.b/eica167.d
Level 8: /var/chem/gcms/me.i/E011608I.b/eica168.d
Level 9: /var/chem/gcms/me.i/E011608I.b/eica169r.d

Compound	0.08000 Level 1	0.16000 Level 2	0.32000 Level 3	1.800 Level 4	4.000 Level 5	8.000 Level 6	RRF	% RSD
	16.000 Level 7	24.000 Level 8	0.03800 Level 9					
7 Chlorodifluoromethane	0.75914	0.81042	0.83826	0.83322	0.74750	0.64891		
	0.62629	0.54203	+++++				0.72572	14.960
8 Propene	+++++	1.47502	1.42338	1.58511	1.56747	1.24147		
	1.17218	1.13291	+++++				1.37108	13.677
9 Dichlorodifluoromethane	7.02172	6.52011	6.86658	7.86790	7.52259	6.14775		
	5.80399	5.03833	6.54114				6.59224	13.130
10 Chloromethane	+++++	0.86495	0.58443	0.61315	0.56214	0.47715		
	0.46047	0.42986	+++++				0.57031	25.749
11 1,2-Dichlorotetrafluoroethane	3.20949	2.91359	2.98574	3.22261	3.12866	2.84366		
	2.71026	2.45576	+++++				2.93372	8.992

Report Date : 25-Jan-2008 08:52

TestAmerica Knoxville

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Start Cal Date : 16-JAN-2008 12:15
End Cal Date : 17-JAN-2008 08:23
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/me.i/E011608I.b/TO155.m
Cal Date : 25-Jan-2008 08:46 tajh
Curve Type : Average

Compound	0.08000 Level 1	0.16000 Level 2	0.32000 Level 3	1.800 Level 4	4.000 Level 5	8.000 Level 6	RRF	% RSD
	16.000 Level 7	24.000 Level 8	0.03800 Level 9					
12 Methanol	+++++	+++++	+++++	0.60644	0.52835	0.35290		
	0.37516	0.36585	+++++				0.44574	25.735
13 Vinyl Chloride	2.06976	1.97289	1.96883	2.14184	1.95925	1.78379		
	1.69928	1.56946	1.88769				1.89478	9.584
14 n-Butane	3.34676	3.02620	2.92177	2.89847	2.72105	2.40626		
	2.31363	2.12893	+++++				2.72038	15.042
15 1,3-Butadiene	1.29316	1.26584	1.28119	1.43441	1.31942	1.21334		
	1.18097	1.08637	+++++				1.25934	8.170
16 Bromomethane	1.70050	1.70227	1.79060	1.80496	1.65644	1.65791		
	1.61103	1.45047	+++++				1.67177	6.657
17 Chloroethane	0.74967	0.88160	0.87600	0.93411	0.79856	0.80080		
	0.78871	0.71433	+++++				0.81797	8.989
18 Vinyl Bromide	1.65035	1.55169	1.69021	1.65752	1.51487	1.49927		
	1.47119	1.31381	+++++				1.54361	8.001
19 2-methyl butane	3.29921	3.17912	3.18013	2.30350	2.05370	1.84471		
	1.82205	1.62696	+++++				2.41367	28.840
20 Trichlorofluoromethane	6.60844	6.74523	6.24440	7.37307	6.33306	5.45547		
	5.34500	4.32814	6.74643				6.13102	15.153

Report Date : 25-Jan-2008 08:52

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Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/me.i/E011608I.b/TO155.m
Cal Date : 25-Jan-2008 08:46 tajh
Curve Type : Average

Compound	0.08000 Level 1	0.16000 Level 2	0.32000 Level 3	1.800 Level 4	4.000 Level 5	8.000 Level 6	RRF	% RSD
	16.000 Level 7	24.000 Level 8	0.03800 Level 9					
21 Acrolein	+++++	0.63333	0.54823	0.65702	0.52486	0.36681		
	0.50340	0.51689	+++++				0.53579	17.779
22 Acetonitrile	+++++	+++++	0.68482	0.74405	0.61720	0.38054		
	0.54053	0.52572	+++++				0.58214	22.205
23 Acetone	+++++	+++++	+++++	0.71636	0.57588	0.40925		
	0.50867	0.49335	+++++				0.54070	21.216
24 Pentane	+++++	+++++	0.47492	0.31865	0.28962	0.27243		
	0.27634	0.23887	+++++				0.31180	26.938
25 Isopropyl Alcohol	3.47975	3.59464	2.78630	3.94108	3.72909	2.31346		
	2.25731	2.12634	+++++				3.02850	24.413
26 Ethyl Ether	1.50807	1.81661	1.53523	2.13724	1.66943	1.12121		
	1.47425	1.46518	+++++				1.59090	18.640
27 1,1-Dichloroethene	1.66892	1.58733	1.19951	1.59849	1.43867	1.01981		
	1.00951	0.90378	+++++				1.30325	23.505
28 Acrylonitrile	+++++	+++++	0.80632	1.17502	0.95668	0.57296		
	0.74695	0.77153	+++++				0.83825	24.543
29 tert-butanol	+++++	6.37419	4.68822	5.39696	5.51177	3.10817		
	2.97157	+++++	+++++				4.67515	29.430

Report Date : 25-Jan-2008 08:52

TestAmerica Knoxville

INITIAL CALIBRATION DATA

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Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/me.i/E011608I.b/TO155.m
Cal Date : 25-Jan-2008 08:46 tajh
Curve Type : Average

Compound	0.08000 Level 1	0.16000 Level 2	0.32000 Level 3	1.800 Level 4	4.000 Level 5	8.000 Level 6	RRF	% RSD
	16.000 Level 7	24.000 Level 8	0.03800 Level 9					
30 1,1,2-Trichlorotrifluoroethan	3.18293	3.29478	2.93584	3.63841	3.23517	2.55921		
	2.56805	2.31106	2.85361				2.95326	14.389
31 Methylene Chloride	+++++	2.12581	1.83976	1.39921	1.13717	1.10328		
	1.10314	+++++	+++++				1.45140	30.026 <- OK
32 3-Chloropropene	1.34647	1.62053	1.82803	1.88921	1.39970	1.57897		
	1.68817	1.51007	+++++				1.60764	11.902
33 Carbon Disulfide	6.35769	5.92699	5.46548	6.06382	5.31364	4.68404		
	4.49848	4.03498	5.32987				5.29722	14.540
34 2,3-Dimethyl butane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++	+++++				+++++	+++++
35 trans-1,2-Dichloroethene	1.65202	1.68318	1.57831	1.72811	1.50383	1.32874		
	1.32105	1.19887	+++++				1.49926	13.023
36 Methyl-t-Butyl Ether	7.08339	8.05463	5.58448	6.28115	5.07639	3.07888		
	+++++	+++++	+++++				5.85982	29.474
37 1,1-Dichloroethane	2.67529	2.94476	3.10597	3.28287	2.52969	2.70909		
	2.88252	2.65205	3.20593				2.88758	9.237
38 Vinyl Acetate	2.80754	3.06164	2.59527	4.62155	3.60391	2.34995		
	3.14062	3.13977	+++++				3.16503	22.158

Report Date : 25-Jan-2008 08:52

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 16-JAN-2008 12:15
End Cal Date : 17-JAN-2008 08:23
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/me.i/E011608I.b/TO155.m
Cal Date : 25-Jan-2008 08:46 tajh
Curve Type : Average

Compound	0.08000 Level 1	0.16000 Level 2	0.32000 Level 3	1.800 Level 4	4.000 Level 5	8.000 Level 6	RRF	% RSD
	16.000 Level 7	24.000 Level 8	0.03800 Level 9					
39 Hexane	2.12362	2.18024	2.06426	1.57149	1.37805	1.13319		
	1.16981	1.06397	+++++				1.58558	29.822
40 2-Butanone	+++++	0.82606	0.59285	0.87657	0.75409	0.45569		
	0.50313	0.48889	+++++				0.64247	27.058
41 cis 1,2-Dichloroethene	1.28963	1.37074	1.40456	1.44004	1.15581	1.20601		
	1.24704	1.12970	1.49577				1.30439	9.971
42 Ethyl Acetate	+++++	0.52275	0.37117	0.59648	0.48914	0.30182		
	0.33237	0.32376	+++++				0.41964	27.477
43 Chloroform	3.34471	3.98792	4.07612	4.40093	3.39237	3.58552		
	3.75753	3.31377	4.00252				3.76241	10.115
44 Tetrahydrofuran	+++++	1.81235	1.20868	2.02804	1.66542	1.02788		
	1.26195	1.21257	+++++				1.45956	25.626
45 1,1,1-Trichloroethane	3.66327	4.12937	4.63901	4.81205	3.72957	4.04371		
	4.22712	3.68274	3.97157				4.09985	9.968
46 1,2-Dichloroethane	0.70917	0.84756	0.90888	0.67596	0.48338	0.49791		
	0.60074	0.56256	0.80163				0.67643	22.658
47 Benzene	1.03887	1.22358	1.25168	0.87328	0.67719	0.69180		
	0.83275	0.84410	1.20635				0.95996	23.598

Report Date : 25-Jan-2008 08:52

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 16-JAN-2008 12:15
End Cal Date : 17-JAN-2008 08:23
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/me.i/E011608I.b/TO155.m
Cal Date : 25-Jan-2008 08:46 tajh
Curve Type : Average

Compound	0.08000 Level 1	0.16000 Level 2	0.32000 Level 3	1.800 Level 4	4.000 Level 5	8.000 Level 6	RRF	% RSD
	16.000 Level 7	24.000 Level 8	0.03800 Level 9					
48 1-Butanol	+++++	0.16621	0.14685	0.19461	0.20807	0.13175		
	0.14444	+++++	+++++				0.16532	18.327
49 Cyclohexane	+++++	0.28325	0.27950	0.19139	0.16594	0.15077		
	0.16505	0.15372	+++++				0.19852	29.270
50 Carbon Tetrachloride	0.86993	0.96534	1.04666	1.10719	0.91608	0.86409		
	0.93627	0.82933	0.92453				0.93994	9.494
51 2,2,4-trimethylpentane	1.91331	2.15972	2.37828	1.66289	1.33528	1.34102		
	1.45761	1.32725	+++++				1.69692	24.173
52 Heptane	0.76772	0.85934	0.89837	0.67017	0.54051	0.50916		
	0.56605	0.52860	+++++				0.66749	23.411
53 1,2-Dichloropropane	0.25966	0.32009	0.31648	0.36012	0.27509	0.24605		
	0.31146	0.30673	+++++				0.29946	12.381
54 Trichloroethene	0.30230	0.34478	0.31376	0.34886	0.29010	0.28057		
	0.30259	0.27595	0.25617				0.30168	10.177
55 Dibromomethane	0.39211	0.43533	0.45017	0.45962	0.35557	0.35897		
	0.41742	0.38982	0.39506				0.40601	9.193
56 Bromodichloromethane	0.72756	0.85355	0.94808	1.02939	0.79260	0.79574		
	0.91476	0.85443	0.78696				0.85590	11.000

Report Date : 25-Jan-2008 08:52

TestAmerica Knoxville

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Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/me.i/E011608I.b/TO155.m
Cal Date : 25-Jan-2008 08:46 tajh
Curve Type : Average

Compound	0.08000 Level 1	0.16000 Level 2	0.32000 Level 3	1.800 Level 4	4.000 Level 5	8.000 Level 6	RRF	% RSD
	16.000 Level 7	24.000 Level 8	0.03800 Level 9					
57 1,4-dioxane	0.21568	0.23532	0.15743	0.21080	0.21255	0.14293		
	0.14015	0.13210	+++++				0.18087	22.988
58 Methyl Methacrylate	0.38840	0.48212	0.35488	0.58941	0.48653	0.30103		
	0.37596	0.36731	0.41755				0.41814	20.895
59 4-Methyl-2-pentanone	0.64385	0.81487	0.61160	0.80330	0.80871	0.51008		
	0.56215	0.52823	+++++				0.66035	19.716
60 cis-1,3-Dichloropropene	0.49483	0.49039	0.53021	0.63813	0.50743	0.44099		
	0.53996	0.51341	0.51691				0.51915	10.196
61 trans-1,3-Dichloropropene	0.67599	0.70332	0.58578	0.77244	0.58416	0.50543		
	0.62585	0.62641	0.85334				0.65920	16.057
62 Toluene	1.37303	1.54871	1.36600	1.15641	0.85326	0.73421		
	0.91444	0.96065	1.53607				1.16032	26.491
63 1,1,2-Trichloroethane	0.33736	0.34803	0.32524	0.40056	0.31235	0.26288		
	0.32126	0.33471	0.34880				0.33236	10.953
64 2-Hexanone	+++++	0.36307	0.26489	0.36946	0.36810	0.25037		
	0.27954	+++++	+++++				0.31591	17.928
65 Octane	+++++	0.51635	0.49843	0.40641	0.30998	0.30193		
	0.36048	0.38686	+++++				0.39720	21.230

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Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/me.i/E011608I.b/TO155.m
Cal Date : 25-Jan-2008 08:46 tajh
Curve Type : Average

Compound	0.08000 Level 1	0.16000 Level 2	0.32000 Level 3	1.800 Level 4	4.000 Level 5	8.000 Level 6	RRF	% RSD
	16.000 Level 7	24.000 Level 8	0.03800 Level 9					
66 Dibromochloromethane	0.60391	0.68524	0.68431	0.83857	0.65781	0.62554		
	0.74030	0.77051	0.62049				0.69186	11.258
67 1,2-Dibromoethane	0.71351	0.75327	0.69901	0.63462	0.50119	0.43099		
	0.52304	0.53414	0.64811				0.60422	18.330
68 Tetrachloroethene	0.32647	0.38976	0.37417	0.41805	0.32226	0.32088		
	0.35662	0.36563	0.30085				0.35275	10.794
69 Chlorobenzene	0.70201	0.75159	0.67529	0.84936	0.68216	0.56287		
	0.68002	0.70554	0.67247				0.69793	10.848
70 Ethylbenzene	1.89471	2.11576	1.73129	1.74158	1.37216	0.93685		
	1.25772	1.30963	1.97444				1.59268	24.549
71 m&p-Xylene	1.32108	1.51492	1.14486	1.46371	1.14450	0.75920		
	1.03879	1.07574	1.37735				1.20446	19.833
72 Bromoform	0.63038	0.71298	0.65243	0.91842	0.77132	0.63047		
	0.78676	0.80833	0.64504				0.72846	13.719
73 Nonane	0.94148	1.14562	1.00164	0.90286	0.71234	0.57702		
	0.71569	0.74562	1.03901				0.86459	21.552
74 Styrene	0.85473	0.99946	0.79110	0.89454	0.74980	0.50372		
	0.71262	0.78150	0.89055				0.79757	17.634

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INITIAL CALIBRATION DATA

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Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/me.i/E011608I.b/TO155.m
Cal Date : 25-Jan-2008 08:46 tajh
Curve Type : Average

Compound	0.08000 Level 1	0.16000 Level 2	0.32000 Level 3	1.800 Level 4	4.000 Level 5	8.000 Level 6	RRF	% RSD
	16.000 Level 7	24.000 Level 8	0.03800 Level 9					
75 o-Xylene	1.64190	1.85544	1.40119	1.51659	1.20629	0.76834		
	1.04881	1.10982	1.77880				1.36969	26.561
76 1,1,2,2-Tetrachloroethane	0.78270	0.94686	0.68208	1.05858	0.87519	0.55874		
	0.72735	0.76131	0.76070				0.79484	18.585
77 1,2,3-Trichloropropane	0.21074	0.27378	0.18150	0.30030	0.24249	0.15342		
	0.20382	0.20767	+++++				0.22172	21.723
78 Cumene	2.13020	2.47441	1.75542	1.94786	1.55962	0.97233		
	1.32180	1.38842	2.32717				1.76414	28.307
79 a-Pinene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++	+++++				+++++	+++++
80 n-Propylbenzene	0.44611	0.53391	0.36486	0.44269	0.36751	0.22470		
	0.31671	0.34341	0.46705				0.38967	23.762
81 Camphene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++	+++++				+++++	+++++
82 2-chlorotoluene	0.27663	0.32577	0.26762	0.37094	0.31397	0.21130		
	0.28606	0.30745	0.30823				0.29644	14.876
83 4-Ethyltoluene	2.09000	2.38374	1.68185	1.89926	1.57280	0.94843		
	1.30420	1.34408	2.13939				1.70708	27.135

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Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/me.i/E011608I.b/TO155.m
Cal Date : 25-Jan-2008 08:46 tajh
Curve Type : Average

Compound	0.08000 Level 1	0.16000 Level 2	0.32000 Level 3	1.800 Level 4	4.000 Level 5	8.000 Level 6	___ RRF	% RSD
	16.000 Level 7	24.000 Level 8	0.03800 Level 9					
84 1,3,5-Trimethylbenzene	0.68363	0.83426	0.52559	0.63429	0.53697	0.31534		
	0.44059	0.47365	0.69932				0.57152	27.495
85 Alpha-Methylstyrene	0.42838	0.49142	0.34302	0.65240	0.56820	0.34908		
	0.48715	0.52231	+++++				0.48025	21.986
86 b-Pinene	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++	+++++	+++++				+++++	+++++
87 Decane	1.25828	1.41450	1.01677	1.13713	0.92259	0.61519		
	0.82189	0.85087	+++++				1.00465	25.667
88 Tert-butylbenzene	1.24088	1.53236	0.97088	1.57339	1.30952	0.79562		
	1.11356	1.17629	1.32384				1.22627	20.321
89 1,2,4-Trimethylbenzene	1.60666	1.94165	1.28864	1.58948	1.31119	0.80471		
	1.12330	1.17181	1.74063				1.39756	25.187
90 sec-butylbenzene	2.25785	2.77146	1.78170	2.20021	1.80798	1.11415		
	1.55504	1.59373	2.39612				1.94203	26.134
91 1,3-Dichlorobenzene	0.77002	0.82348	0.57754	0.81453	0.70828	0.48376		
	0.68004	0.73672	0.78362				0.70866	16.024
92 Benzyl Chloride	1.22803	1.32341	0.92691	1.48480	1.31506	0.88135		
	1.16193	1.20314	1.41562				1.21559	16.765

Report Date : 25-Jan-2008 08:52

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Start Cal Date : 16-JAN-2008 12:15
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Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/me.i/E011608I.b/TO155.m
Cal Date : 25-Jan-2008 08:46 tajh
Curve Type : Average

Compound	0.08000 Level 1	0.16000 Level 2	0.32000 Level 3	1.800 Level 4	4.000 Level 5	8.000 Level 6	RRF	% RSD	
	16.000 Level 7	24.000 Level 8	0.03800 Level 9						
93 1,4-Dichlorobenzene	0.79384	0.81641	0.58309	0.78548	0.68637	0.46352			
	0.64797	0.70608	0.76396				0.69409	16.582	
94 p-Cymene	1.76215	2.18259	1.37120	1.72228	1.43491	0.90015			
	1.18150	1.23229	2.00810				1.53280	27.158	
95 d-Limonene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	
96 1,2-Dichlorobenzene	0.72331	0.81889	0.56413	0.74784	0.64569	0.42229			
	0.57114	0.61607	0.72138				0.64786	18.518	
97 n-butylbenzene	2.19366	2.35273	1.59240	1.69758	1.46441	0.96885			
	1.25393	1.31415	2.32746				1.68502	29.755	
98 Undecane	+++++	1.68056	1.06591	1.02807	0.97148	0.65786			
	0.90572	0.96215	+++++				1.03882	30.082	<- OK
99 4-tert-Butyltoluene	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	
100 Camphor	+++++	+++++	+++++	+++++	+++++	+++++			
	+++++	+++++	+++++				+++++	+++++	
101 Dodecane	+++++	+++++	0.65663	0.79335	0.71068	0.45481			
	0.53341	0.53759	+++++				0.61441	20.716	

Report Date : 25-Jan-2008 08:52

TestAmerica Knoxville

INITIAL CALIBRATION DATA

Start Cal Date : 16-JAN-2008 12:15
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Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/gcms/me.i/E011608I.b/TO155.m
Cal Date : 25-Jan-2008 08:46 tajh
Curve Type : Average

Compound	0.08000 Level 1	0.16000 Level 2	0.32000 Level 3	1.800 Level 4	4.000 Level 5	8.000 Level 6	RRF	% RSD	
	16.000 Level 7	24.000 Level 8	0.03800 Level 9						
102 1,2,4-Trichlorobenzene	0.90392	0.68849	0.48509	0.47032	0.48063	0.33813			
	0.43539	0.49212	+++++				0.53676	33.012	<- ✓
103 Napthalene	+++++	1.44359	1.00845	0.88786	0.88676	0.60465			
	0.71607	0.75683	+++++				0.90060	30.379	<- OK
104 Hexachlorobutadiene	1.18864	1.10283	0.78807	0.78345	0.72379	0.53561			
	0.76543	0.82201	+++++				0.83873	25.032	
105 1,2,3-trichlorobenzene	+++++	0.74064	0.50773	0.45510	0.44491	0.31570			
	0.37624	0.42243	+++++				0.46611	29.086	
$ 4 1,2-Dichloroethane-d4	0.31925	0.32169	0.34799	0.34631	0.31960	0.34281			
	0.35856	0.36297	0.36065				0.34220	5.216	
$ 5 Toluene-d8	1.20443	1.18851	1.15168	1.17381	1.11736	1.18070			
	1.17746	1.24207	1.20465				1.18230	2.968	
$ 6 4-Bromofluorobenzene	0.94013	0.98640	0.99590	1.02026	1.01101	1.04163			
	1.13742	1.08243	0.98482				1.02222	5.737	

Data File: /var/chem/gcms/me.i/E011608I.b/eica169r.d
Report Date: 25-Jan-2008 09:00

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/me.i/E011608I.b/eica169r.d
Lab Smp Id: ICAL9 Client Smp ID: ICAL9
Inj Date : 16-JAN-2008 18:51
Operator : 7126 Inst ID: me.i
Smp Info : ical9,,1,9,,BLANK
Misc Info : E011508,TO155,,,
Comment :
Method : /var/chem/gcms/me.i/E011608I.b/TO155.m
Meth Date : 25-Jan-2008 09:00 tajh Quant Type: ISTD
Cal Date : 16-JAN-2008 18:51 Cal File: eica169r.d
Als bottle: 14 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	default calibration
Vo	200.00000	default sample volume

Cpnd Variable Local Compound Variable

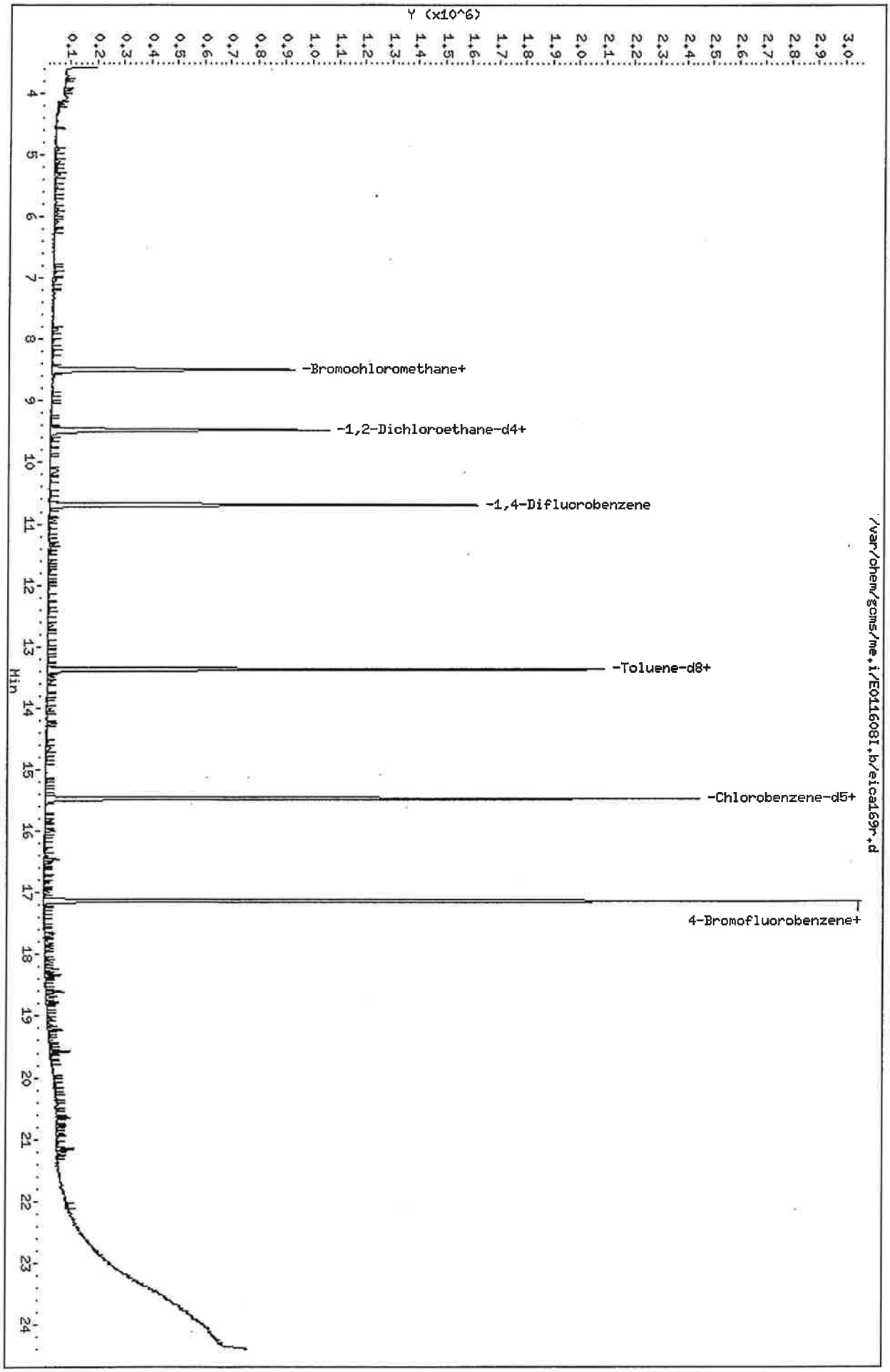
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
* 1 Bromochloromethane	128	8.497	8.497	(1.000)	231249	4.00000	4.000
* 2 1,4-Difluorobenzene	114	10.691	10.691	(1.000)	1198222	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.469	15.469	(1.000)	1097606	4.00000	4.000
$ 4 1,2-Dichloroethane-d4	67	9.476	9.476	(0.886)	432140	4.00000	4.216
$ 5 Toluene-d8	98	13.370	13.370	(0.864)	1322231	4.00000	4.076
$ 6 4-Bromofluorobenzene	95	17.131	17.131	(1.107)	1080940	4.00000	3.854
7 Chlorodifluoromethane	67	3.720	3.720	(0.438)	2187	0.03800	0.05213
8 Propene	41	3.730	3.730	(0.439)	3797	0.03800	0.04790
9 Dichlorodifluoromethane	85	3.773	3.773	(0.444)	14370	0.03800	0.03770
11 1,2-Dichlorotetrafluoroethane	135	3.945	3.945	(0.464)	6366	0.03800	0.03753
13 Vinyl Chloride	62	4.091	4.091	(0.481)	4147	0.03800	0.03786
14 n-Butane	43	4.177	4.177	(0.492)	8981	0.03800	0.05710
15 1,3-Butadiene	54	4.171	4.171	(0.491)	3370	0.03800	0.04629
16 Bromomethane	94	4.462	4.462	(0.525)	3753	0.03800	0.03883
17 Chloroethane	64	4.591	4.591	(0.540)	1936	0.03800	0.04094

Data File: /var/chem/gcms/me.i/E011608I.b/eica169r.d
Report Date: 25-Jan-2008 09:00

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
18 Vinyl Bromide	106	4.871	4.871	(0.573)	2903	0.03800	0.03253
19 2-methyl butane	43	4.925	4.925	(0.580)	7352	0.03800	0.05269
20 Trichlorofluoromethane	101	5.124	5.124	(0.603)	14821	0.03800	0.04181
24 Pentane	72	5.339	5.339	(0.628)	962	0.03800	0.05337
26 Ethyl Ether	31	5.511	5.511	(0.649)	3809	0.03800	0.04141
27 1,1-Dichloroethene	96	5.764	5.764	(0.678)	3507	0.03800	0.04655
29 tert-butanol	59	5.877	5.877	(0.692)	13555	0.03800	0.05015
30 1,1,2-Trichlorotrifluoroethane	101	5.947	5.947	(0.700)	6269	0.03800	0.03672
31 Methylene Chloride	84	6.092	6.092	(0.717)	6109	0.03800	0.07280
32 3-Chloropropene	39	6.108	6.108	(0.719)	6164	0.03800	0.06632
33 Carbon Disulfide	76	6.237	6.237	(0.734)	11709	0.03800	0.03823
35 trans-1,2-Dichloroethene	96	6.861	6.861	(0.808)	3060	0.03800	0.03530
37 1,1-Dichloroethane	63	7.249	7.249	(0.853)	7043	0.03800	0.04219
39 Hexane	56	7.835	7.835	(0.922)	4645	0.03800	0.05067
41 cis 1,2-Dichloroethene	96	8.190	8.190	(0.964)	3286	0.03800	0.04358
43 Chloroform	83	8.518	8.518	(1.003)	8793	0.03800	0.04042
44 Tetrahydrofuran	42	9.002	9.002	(1.060)	4182	0.03800	0.04956
45 1,1,1-Trichloroethane	97	9.524	9.524	(1.121)	8725	0.03800	0.03681
46 1,2-Dichloroethane	62	9.616	9.616	(0.899)	9125	0.03800	0.04503
47 Benzene	78	10.116	10.116	(0.946)	13732	0.03800	0.04775
49 Cyclohexane	69	10.127	10.127	(0.947)	2461	0.03800	0.04138
50 Carbon Tetrachloride	117	10.148	10.148	(0.949)	10524	0.03800	0.03738
51 2,2,4-trimethylpentane	57	10.939	10.939	(1.023)	22176	0.03800	0.04362
52 Heptane	43	11.326	11.326	(1.059)	9313	0.03800	0.04658
53 1,2-Dichloropropane	63	11.364	11.364	(1.063)	3667	0.03800	0.04088
54 Trichloroethene	130	11.396	11.396	(1.066)	2916	0.03800	0.03227
55 Dibromomethane	93	11.466	11.466	(1.072)	4497	0.03800	0.03698
56 Bromodichloromethane	83	11.611	11.611	(1.086)	8958	0.03800	0.03494
57 1,4-dioxane	88	11.708	11.708	(1.095)	2327	0.03800	0.04295
58 Methyl Methacrylate	41	11.784	11.784	(1.102)	4753	0.03800	0.03795
59 4-Methyl-2-pentanone	43	12.650	12.650	(1.183)	8380	0.03800	0.04236
60 cis-1,3-Dichloropropene	75	12.660	12.660	(1.184)	5884	0.03800	0.03784
61 trans-1,3-Dichloropropene	75	13.365	13.365	(0.864)	8898	0.03800	0.04919
62 Toluene	91	13.483	13.483	(0.872)	16017	0.03800	0.05031
63 1,1,2-Trichloroethane	97	13.553	13.553	(0.876)	3637	0.03800	0.03988
64 2-Hexanone	58	14.011	14.011	(0.906)	3361	0.03800	0.03877
65 Octane	85	14.231	14.231	(0.920)	4594	0.03800	0.04215
66 Dibromochloromethane	129	14.253	14.253	(0.921)	6470	0.03800	0.03408
67 1,2-Dibromoethane	107	14.549	14.549	(0.941)	6758	0.03800	0.04076
68 Tetrachloroethene	129	14.635	14.635	(0.946)	3137	0.03800	0.03241
69 Chlorobenzene	112	15.522	15.522	(1.003)	7012	0.03800	0.03661
70 Ethylbenzene	91	15.829	15.829	(1.023)	20588	0.03800	0.04711
71 m&p-Xylene	91	15.996	15.996	(1.034)	28724	0.07600	0.08691
72 Bromoform	173	16.405	16.405	(1.060)	6726	0.03800	0.03365
73 Nonane	57	16.464	16.464	(1.064)	10834	0.03800	0.04567
74 Styrene	104	16.458	16.458	(1.064)	9286	0.03800	0.04243
75 o-Xylene	91	16.518	16.518	(1.068)	18548	0.03800	0.04935

Data File: /var/chem/gcms/me.i/E011608I.b/eica169r.d
Report Date: 25-Jan-2008 09:00

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
76	1,1,2,2-Tetrachloroethane	83	16.830	16.830	(1.088)	7932	0.03800	0.03637
77	1,2,3-Trichloropropane	110	16.986	16.986	(1.098)	2484	0.03800	0.04083
78	Cumene	105	17.120	17.120	(1.107)	24266	0.03800	0.05013
80	n-Propylbenzene	120	17.663	17.663	(1.142)	4870	0.03800	0.04555
82	2-chlorotoluene	126	17.690	17.690	(1.144)	3214	0.03800	0.03951
83	4-Ethyltoluene	105	17.819	17.819	(1.152)	22308	0.03800	0.04762
84	1,3,5-Trimethylbenzene	120	17.905	17.905	(1.158)	7292	0.03800	0.04650
85	Alpha-Methylstyrene	118	18.131	18.131	(1.172)	4430	0.03800	0.03362
87	Decane	57	18.234	18.234	(1.179)	13522	0.03800	0.04905
88	Tert-butylbenzene	119	18.336	18.336	(1.185)	13804	0.03800	0.04102
89	1,2,4-Trimethylbenzene	105	18.347	18.347	(1.186)	18150	0.03800	0.04733
90	sec-butylbenzene	105	18.610	18.610	(1.203)	24985	0.03800	0.04688
91	1,3-Dichlorobenzene	146	18.599	18.599	(1.202)	8171	0.03800	0.04202
92	Benzyl Chloride	91	18.680	18.680	(1.208)	14761	0.03800	0.04425
93	1,4-Dichlorobenzene	146	18.691	18.691	(1.208)	7966	0.03800	0.04182
94	p-Cymene	119	18.782	18.782	(1.214)	20939	0.03800	0.04978
96	1,2-Dichlorobenzene	146	19.051	19.051	(1.232)	7522	0.03800	0.04231
97	n-butylbenzene	91	19.223	19.223	(1.243)	24269	0.03800	0.05249
98	Undecane	57	19.579	19.579	(1.266)	18845	0.03800	0.06611
101	Dodecane	57	20.649	20.649	(1.335)	12592	0.03800	0.07469
102	1,2,4-Trichlorobenzene	180	20.778	20.778	(1.343)	8640	0.03800	0.05866
103	Napthalene	128	20.913	20.913	(1.352)	18411	0.03800	0.07450
104	Hexachlorobutadiene	225	21.149	21.149	(1.367)	11946	0.03800	0.05190
105	1,2,3-trichlorobenzene	180	21.203	21.203	(1.371)	9083	0.03800	0.07102


Data File: /var/chem/gcms/me.i/E011608I.b/eica169r.d
Date : 16-JAN-2008 18:51
Client ID: ICAL9
Sample Info: ical9,1.9,,BLANK
Purge Volume: 200.0
Column phase: HP-5
Instrument: me.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
-Bromochloromethane+
-1,2-Dichloroethane-d4+
-1,4-Difluorobenzene
-Toluene-d8+
-Chlorobenzene-d5+
4-Bromofluorobenzene+
/var/chem/gcms/me.i/E011608I.b/eica169r.d
Min

Data File: /var/chem/gcms/me.i/E011608I.b/eica161.d
Report Date: 25-Jan-2008 08:54

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/me.i/E011608I.b/eica161.d
Lab Smp Id: EICAL1 Client Smp ID: STD 0.08
Inj Date : 16-JAN-2008 12:15
Operator : 7126 Inst ID: me.i
Smp Info : EICAL1,,1,1,,STD 0.08
Misc Info : E011608I,TO155,,,
Comment :
Method : /var/chem/gcms/me.i/E011608I.b/TO155.m
Meth Date : 25-Jan-2008 08:54 tajh Quant Type: ISTD
Cal Date : 16-JAN-2008 12:15 Cal File: eica161.d
Als bottle: 9 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	default calibration
Vo	200.00000	default sample volume

Cpnd Variable Local Compound Variable

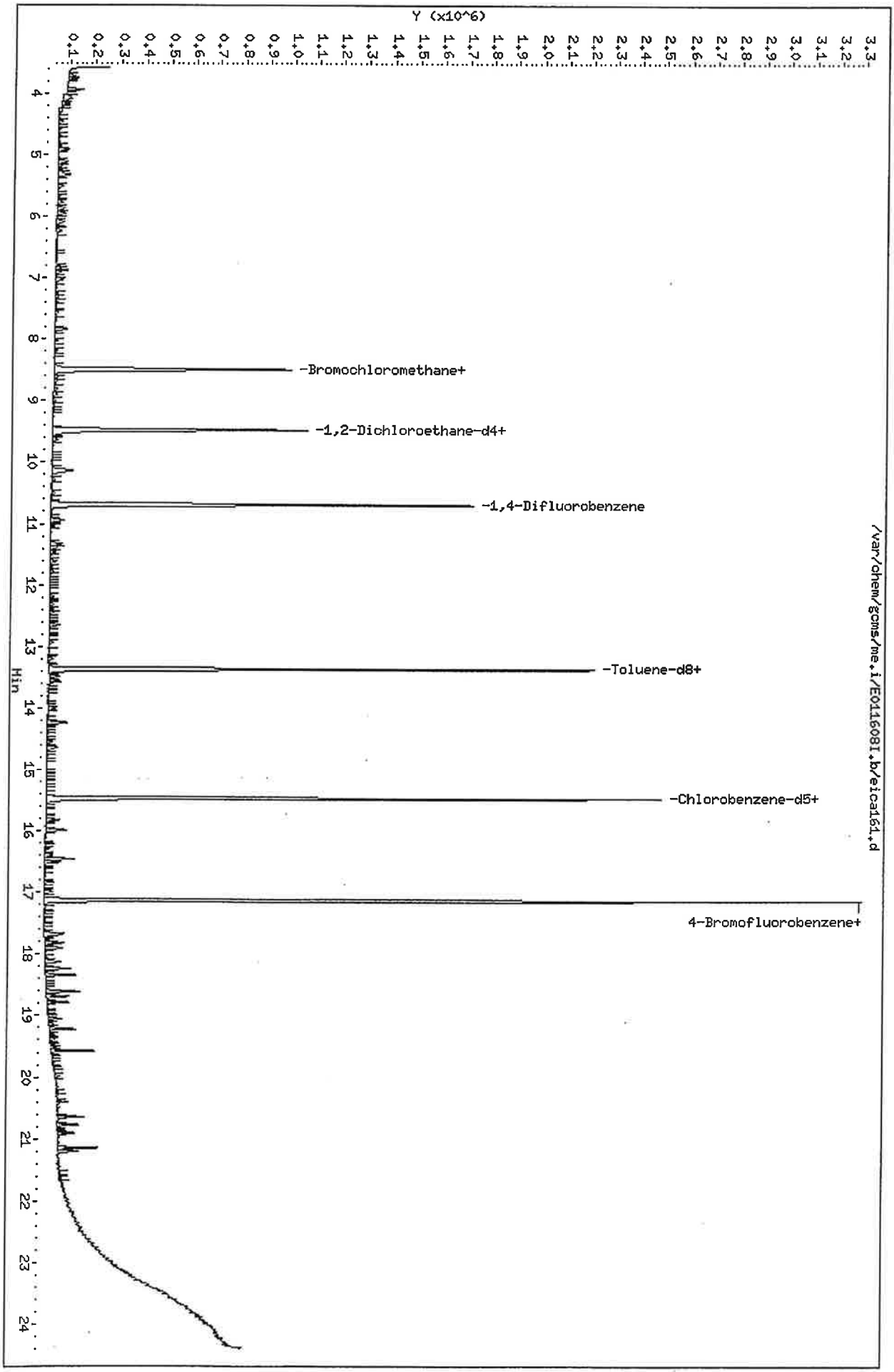
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	8.497	8.497	(1.000)	269186	4.00000	4.000
*	2 1,4-Difluorobenzene	114	10.692	10.691	(1.000)	1375628	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.474	15.469	(1.000)	1229976	4.00000	4.000
$	4 1,2-Dichloroethane-d4	67	9.476	9.476	(0.886)	439175	4.00000	3.732
$	5 Toluene-d8	98	13.371	13.370	(0.864)	1481419	4.00000	4.075
$	6 4-Bromofluorobenzene	95	17.131	17.131	(1.107)	1156333	4.00000	3.680
	7 Chlorodifluoromethane	67	3.714	3.720	(0.437)	4087	0.08000	0.08366
	8 Propene	41	3.720	3.730	(0.438)	8439	0.08000	0.09144
	9 Dichlorodifluoromethane	85	3.773	3.773	(0.444)	37803	0.08000	0.08519
	10 Chloromethane	52	3.935	3.935	(0.463)	4944	0.08000	0.1288
	11 1,2-Dichlorotetrafluoroethane	135	3.946	3.945	(0.464)	17279	0.08000	0.08750
	13 Vinyl Chloride	62	4.091	4.091	(0.481)	11143	0.08000	0.08735
	14 n-Butane	43	4.172	4.177	(0.491)	18018	0.08000	0.09840
	15 1,3-Butadiene	54	4.172	4.171	(0.491)	6962	0.08000	0.08206
	16 Bromomethane	94	4.462	4.462	(0.525)	9155	0.08000	0.08135
	17 Chloroethane	64	4.591	4.591	(0.540)	4036	0.08000	0.07330

Data File: /var/chem/gcms/me.i/E011608I.b/eica161.d
Report Date: 25-Jan-2008 08:54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
18 Vinyl Bromide	106	4.865	4.871	(0.573)	8885	0.08000	0.08585
19 2-methyl butane	43	4.925	4.925	(0.580)	17762	0.08000	0.1093
20 Trichlorofluoromethane	101	5.124	5.124	(0.603)	35578	0.08000	0.08621
24 Pentane	72	5.328	5.339	(0.627)	2268	0.08000	0.1087
25 Isopropyl Alcohol	45	5.323	5.280	(0.626)	18734	0.08000	0.09173
26 Ethyl Ether	31	5.506	5.511	(0.648)	8119	0.08000	0.07582
27 1,1-Dichloroethene	96	5.775	5.764	(0.680)	8985	0.08000	0.1025
29 tert-butanol	59	5.866	5.877	(0.690)	34078	0.08000	0.1083
30 1,1,2-Trichlorotrifluoroethane	101	5.947	5.947	(0.700)	17136	0.08000	0.08620
31 Methylene Chloride	84	6.081	6.092	(0.716)	11594	0.08000	0.1187
32 3-Chloropropene	39	6.103	6.108	(0.718)	7249	0.08000	0.06713
33 Carbon Disulfide	76	6.232	6.237	(0.733)	34228	0.08000	0.09599
35 trans-1,2-Dichloroethene	96	6.856	6.861	(0.807)	8894	0.08000	0.08814
36 Methyl-t-Butyl Ether	73	7.028	7.028	(0.827)	38135	0.08000	0.1015
37 1,1-Dichloroethane	63	7.254	7.249	(0.854)	14403	0.08000	0.07410
38 Vinyl Acetate	43	7.389	7.394	(0.870)	15115	0.08000	0.07073
39 Hexane	56	7.840	7.835	(0.923)	11433	0.08000	0.1071
41 cis 1,2-Dichloroethene	96	8.190	8.190	(0.964)	6943	0.08000	0.07909
43 Chloroform	83	8.518	8.518	(1.003)	18007	0.08000	0.07111
44 Tetrahydrofuran	42	9.002	9.002	(1.060)	8559	0.08000	0.08712
45 1,1,1-Trichloroethane	97	9.530	9.524	(1.122)	19722	0.08000	0.07147
46 1,2-Dichloroethane	62	9.632	9.616	(0.901)	19511	0.08000	0.08392
47 Benzene	78	10.121	10.116	(0.947)	28582	0.08000	0.08657
48 1-Butanol	31	10.148	10.164	(0.949)	4310	0.08000	0.07580
49 Cyclohexane	69	10.132	10.127	(0.948)	7293	0.08000	0.1068
50 Carbon Tetrachloride	117	10.143	10.148	(0.949)	23934	0.08000	0.07404
51 2,2,4-trimethylpentane	57	10.944	10.939	(1.024)	52640	0.08000	0.09019
52 Heptane	43	11.332	11.326	(1.060)	21122	0.08000	0.09209
53 1,2-Dichloropropane	63	11.364	11.364	(1.063)	7144	0.08000	0.06937
54 Trichloroethene	130	11.391	11.396	(1.065)	8317	0.08000	0.08017
55 Dibromomethane	93	11.461	11.466	(1.072)	10788	0.08000	0.07726
56 Bromodichloromethane	83	11.617	11.611	(1.087)	20017	0.08000	0.06800
57 1,4-dioxane	88	11.703	11.708	(1.095)	5934	0.08000	0.09540
58 Methyl Methacrylate	41	11.778	11.784	(1.102)	10686	0.08000	0.07443
59 4-Methyl-2-pentanone	43	12.650	12.650	(1.183)	17714	0.08000	0.07824
60 cis-1,3-Dichloropropene	75	12.655	12.660	(1.184)	13614	0.08000	0.07625
61 trans-1,3-Dichloropropene	75	13.365	13.365	(0.864)	16629	0.08000	0.08207
62 Toluene	91	13.484	13.483	(0.871)	33776	0.08000	0.09492
63 1,1,2-Trichloroethane	97	13.559	13.553	(0.876)	8299	0.08000	0.08124
64 2-Hexanone	58	14.005	14.011	(0.905)	7521	0.08000	0.07875
65 Octane	85	14.242	14.231	(0.920)	11290	0.08000	0.09250
66 Dibromochloromethane	129	14.247	14.253	(0.921)	14856	0.08000	0.06986
67 1,2-Dibromoethane	107	14.549	14.549	(0.940)	17552	0.08000	0.09452
68 Tetrachloroethene	129	14.635	14.635	(0.946)	8031	0.08000	0.07407
69 Chlorobenzene	112	15.522	15.522	(1.003)	17269	0.08000	0.08050
70 Ethylbenzene	91	15.829	15.829	(1.023)	46609	0.08000	0.09521
71 m&p-Xylene	91	15.996	15.996	(1.034)	64996	0.16000	0.1753

Data File: /var/chem/gcms/me.i/E011608I.b/eica161.d
Report Date: 25-Jan-2008 08:54

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
72	Bromoform	173	16.399	16.405	(1.060)	15507	0.08000	0.06925
73	Nonane	57	16.458	16.464	(1.064)	23160	0.08000	0.08716
74	Styrene	104	16.453	16.458	(1.063)	21026	0.08000	0.08577
75	o-Xylene	91	16.518	16.518	(1.067)	40390	0.08000	0.09594
76	1,1,2,2-Tetrachloroethane	83	16.830	16.830	(1.088)	19254	0.08000	0.07881
77	1,2,3-Trichloropropane	110	16.996	16.986	(1.098)	5184	0.08000	0.07607
78	Cumene	105	17.115	17.120	(1.106)	52402	0.08000	0.09664
80	n-Propylbenzene	120	17.669	17.663	(1.142)	10974	0.08000	0.09162
82	2-chlorotoluene	126	17.696	17.690	(1.144)	6805	0.08000	0.07468
83	4-Ethyltoluene	105	17.825	17.819	(1.152)	51413	0.08000	0.08792
84	1,3,5-Trimethylbenzene	120	17.906	17.905	(1.157)	16817	0.08000	0.09573
85	Alpha-Methylstyrene	118	18.132	18.131	(1.172)	10538	0.08000	0.07139
87	Decane	57	18.234	18.234	(1.178)	30953	0.08000	0.1002
88	Tert-butylbenzene	119	18.336	18.336	(1.185)	30525	0.08000	0.08098
89	1,2,4-Trimethylbenzene	105	18.347	18.347	(1.186)	39523	0.08000	0.09199
90	sec-butylbenzene	105	18.610	18.610	(1.203)	55542	0.08000	0.09304
91	1,3-Dichlorobenzene	146	18.600	18.599	(1.202)	18942	0.08000	0.08696
92	Benzyl Chloride	91	18.686	18.680	(1.208)	30209	0.08000	0.08084
93	1,4-Dichlorobenzene	146	18.691	18.691	(1.208)	19528	0.08000	0.09153
94	p-Cymene	119	18.782	18.782	(1.214)	43348	0.08000	0.09200
96	1,2-Dichlorobenzene	146	19.057	19.051	(1.232)	17793	0.08000	0.08935
97	n-butylbenzene	91	19.224	19.223	(1.242)	53963	0.08000	0.1042 J
98	Undecane	57	19.579	19.579	(1.265)	48340	0.08000	0.1514
101	Dodecane	57	20.649	20.649	(1.334)	28336	0.08000	0.1393
102	1,2,4-Trichlorobenzene	180	20.784	20.778	(1.343)	22236	0.08000	0.1348
103	Napthalene	128	20.913	20.913	(1.351)	46059	0.08000	0.1621
104	Hexachlorobutadiene	225	21.155	21.149	(1.367)	29240	0.08000	0.1134
105	1,2,3-trichlorobenzene	180	21.203	21.203	(1.370)	22902	0.08000	0.1599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Date : 16-JAN-2008 12:15
Client ID: STD 0.08
Sample Info: EICAL1,1,1,STD 0.08
Purge Volume: 200.0
Column phase: HP-5
Instrument: me.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
-Bromochloromethane+
-1,2-Dichloroethane-d4+
-1,4-Difluorobenzene
-Toluene-d8+
-Chlorobenzene-d5+
4-Bromofluorobenzene+
/var/chem/gcms/me.i/E0116081.b/eica161.d
Min

Data File: /var/chem/gcms/me.i/E011608I.b/eica162.d
Report Date: 25-Jan-2008 08:54

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/me.i/E011608I.b/eica162.d
Lab Smp Id: EICAL2 Client Smp ID: STD 0.16
Inj Date : 16-JAN-2008 12:58
Operator : 7126 Inst ID: me.i
Smp Info : EICAL2,,1,2,,STD 0.16
Misc Info : E011608I,TO155,,,
Comment :
Method : /var/chem/gcms/me.i/E011608I.b/TO155.m
Meth Date : 25-Jan-2008 08:54 tajh Quant Type: ISTD
Cal Date : 16-JAN-2008 12:58 Cal File: eica162.d
Als bottle: 10 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	default calibration
Vo	200.00000	default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
* 1 Bromochloromethane	128	8.502	8.497	(1.000)	246200	4.00000	4.000
* 2 1,4-Difluorobenzene	114	10.697	10.691	(1.000)	1190827	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.474	15.469	(1.000)	1069003	4.00000	4.000
$ 4 1,2-Dichloroethane-d4	67	9.481	9.476	(0.886)	383074	4.00000	3.760
$ 5 Toluene-d8	98	13.376	13.370	(0.864)	1270520	4.00000	4.021
$ 6 4-Bromofluorobenzene	95	17.131	17.131	(1.107)	1054462	4.00000	3.861
7 Chlorodifluoromethane	67	3.725	3.720	(0.438)	7981	0.16000	0.1786
8 Propene	41	3.736	3.730	(0.439)	14526	0.16000	0.1721
9 Dichlorodifluoromethane	85	3.779	3.773	(0.444)	64210	0.16000	0.1582
10 Chloromethane	52	3.946	3.935	(0.464)	8518	0.16000	0.2426
11 1,2-Dichlorotetrafluoroethane	135	3.956	3.945	(0.465)	28693	0.16000	0.1589
13 Vinyl Chloride	62	4.102	4.091	(0.482)	19429	0.16000	0.1665
14 n-Butane	43	4.188	4.177	(0.493)	29802	0.16000	0.1779
15 1,3-Butadiene	54	4.182	4.171	(0.492)	12466	0.16000	0.1606
16 Bromomethane	94	4.473	4.462	(0.526)	16764	0.16000	0.1629
17 Chloroethane	64	4.602	4.591	(0.541)	8682	0.16000	0.1724

Data File: /var/chem/gcms/me.i/E011608I.b/eica162.d
Report Date: 25-Jan-2008 08:54

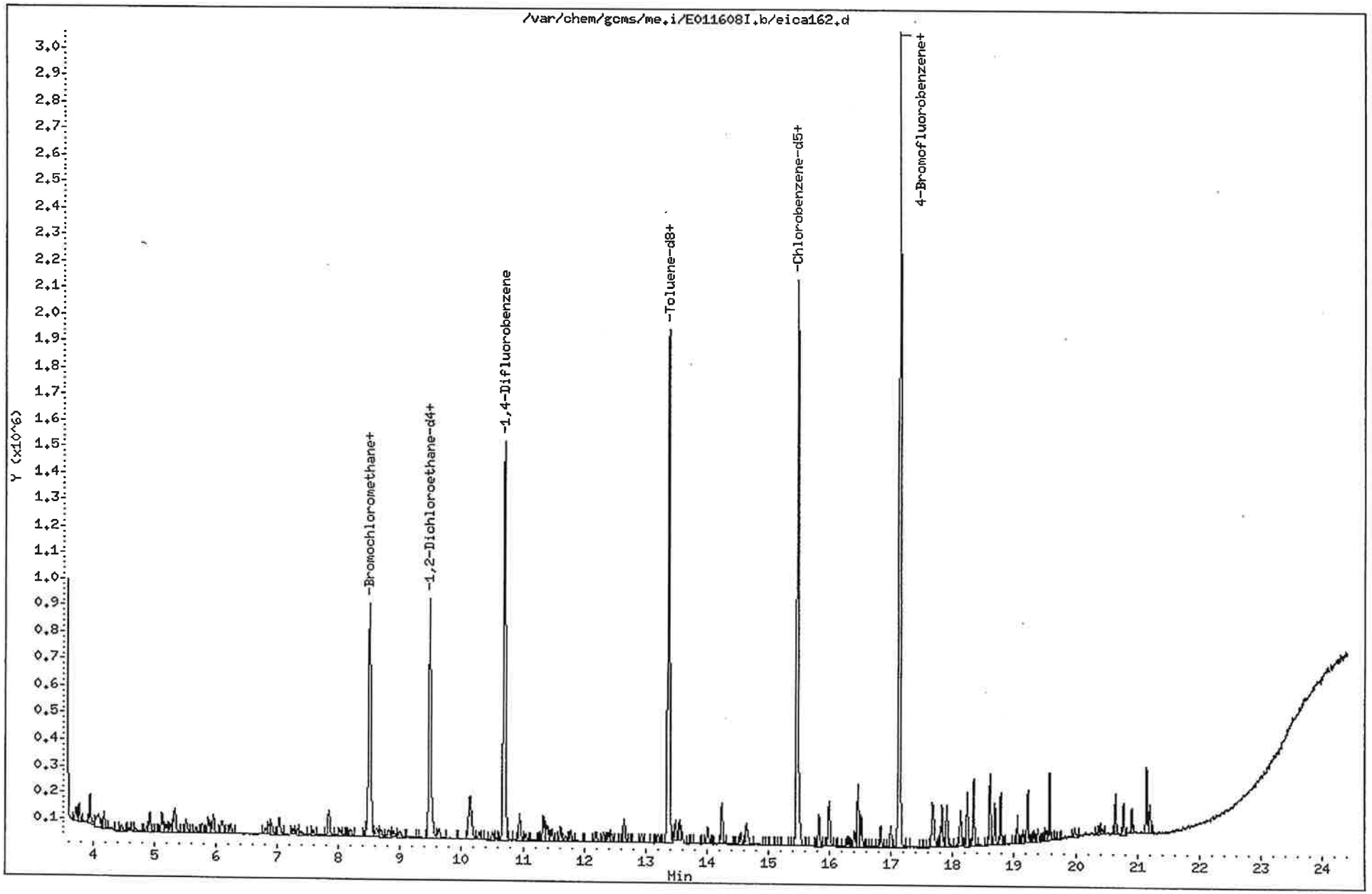
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
18 Vinyl Bromide	106	4.871	4.871	(0.573)	15281	0.16000	0.1614
19 2-methyl butane	43	4.930	4.925	(0.580)	31308	0.16000	0.2107
20 Trichlorofluoromethane	101	5.124	5.124	(0.603)	66427	0.16000	0.1760
21 Acrolein	56	5.145	5.140	(0.605)	6237	0.16000	0.1880
22 Acetonitrile	40	5.199	5.194	(0.612)	10853	0.16000	0.3028
24 Pentane	72	5.334	5.339	(0.627)	4531	0.16000	0.2374
25 Isopropyl Alcohol	45	5.323	5.280	(0.626)	35400	0.16000	0.1895
26 Ethyl Ether	31	5.511	5.511	(0.648)	17890	0.16000	0.1826
27 1,1-Dichloroethene	96	5.780	5.764	(0.680)	15632	0.16000	0.1950
28 Acrylonitrile	53	5.882	5.887	(0.692)	9166	0.16000	0.1776
29 tert-butanol	59	5.872	5.877	(0.691)	62773	0.16000	0.2181
30 1,1,2-Trichlorotrifluoroethane	101	5.958	5.947	(0.701)	32447	0.16000	0.1785
31 Methylene Chloride	84	6.097	6.092	(0.717)	20935	0.16000	0.2343
32 3-Chloropropene	39	6.114	6.108	(0.719)	15959	0.16000	0.1616
33 Carbon Disulfide	76	6.237	6.237	(0.734)	58369	0.16000	0.1790
35 trans-1,2-Dichloroethene	96	6.861	6.861	(0.807)	16576	0.16000	0.1796
36 Methyl-t-Butyl Ether	73	7.034	7.028	(0.827)	79322	0.16000	0.2309
37 1,1-Dichloroethane	63	7.259	7.249	(0.854)	29000	0.16000	0.1631
38 Vinyl Acetate	43	7.389	7.394	(0.869)	30151	0.16000	0.1542
39 Hexane	56	7.846	7.835	(0.923)	21471	0.16000	0.2200
40 2-Butanone	72	7.840	7.856	(0.922)	8135	0.16000	0.2056
41 cis 1,2-Dichloroethene	96	8.190	8.190	(0.963)	13499	0.16000	0.1681
42 Ethyl Acetate	45	8.438	8.437	(0.992)	5148	0.16000	0.1993
43 Chloroform	83	8.518	8.518	(1.002)	39273	0.16000	0.1696
44 Tetrahydrofuran	42	8.997	9.002	(1.058)	17848	0.16000	0.1986
45 1,1,1-Trichloroethane	97	9.530	9.524	(1.121)	40666	0.16000	0.1611
46 1,2-Dichloroethane	62	9.632	9.616	(0.900)	40372	0.16000	0.2006
47 Benzene	78	10.121	10.116	(0.946)	58283	0.16000	0.2039
48 1-Butanol	31	10.148	10.164	(0.949)	7917	0.16000	0.1608
49 Cyclohexane	69	10.138	10.127	(0.948)	13492	0.16000	0.2283
50 Carbon Tetrachloride	117	10.148	10.148	(0.949)	45982	0.16000	0.1643
51 2,2,4-trimethylpentane	57	10.950	10.939	(1.024)	102874	0.16000	0.2036
52 Heptane	43	11.332	11.326	(1.059)	40933	0.16000	0.2062
53 1,2-Dichloropropane	63	11.369	11.364	(1.063)	15247	0.16000	0.1710
54 Trichloroethene	130	11.396	11.396	(1.065)	16423	0.16000	0.1829
55 Dibromomethane	93	11.466	11.466	(1.072)	20736	0.16000	0.1715
56 Bromodichloromethane	83	11.617	11.611	(1.086)	40657	0.16000	0.1596
57 1,4-dioxane	88	11.692	11.708	(1.093)	11209	0.16000	0.2082
58 Methyl Methacrylate	41	11.784	11.784	(1.102)	22965	0.16000	0.1848
59 4-Methyl-2-pentanone	43	12.655	12.650	(1.183)	38815	0.16000	0.1980
60 cis-1,3-Dichloropropene	75	12.655	12.660	(1.183)	23359	0.16000	0.1511
61 trans-1,3-Dichloropropene	75	13.365	13.365	(0.864)	30074	0.16000	0.1708
62 Toluene	91	13.494	13.483	(0.872)	66223	0.16000	0.2141
63 1,1,2-Trichloroethane	97	13.559	13.553	(0.876)	14882	0.16000	0.1676
64 2-Hexanone	58	14.005	14.011	(0.905)	15525	0.16000	0.1870
65 Octane	85	14.237	14.231	(0.920)	22079	0.16000	0.2081
66 Dibromochloromethane	129	14.248	14.253	(0.921)	29301	0.16000	0.1585

Data File: /var/chem/gcms/me.i/E011608I.b/eica162.d
Report Date: 25-Jan-2008 08:54

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
67	1,2-Dibromoethane	107	14.554	14.549	(0.941)	32210	0.16000	0.1996
68	Tetrachloroethene	129	14.640	14.635	(0.946)	16666	0.16000	0.1769
69	Chlorobenzene	112	15.522	15.522	(1.003)	32138	0.16000	0.1724
70	Ethylbenzene	91	15.829	15.829	(1.023)	90470	0.16000	0.2126
71	m&p-Xylene	91	15.991	15.996	(1.033)	129556	0.32000	0.4020
72	Bromoform	173	16.399	16.405	(1.060)	30487	0.16000	0.1566
73	Nonane	57	16.464	16.464	(1.064)	48987	0.16000	0.2121
74	Styrene	104	16.453	16.458	(1.063)	42737	0.16000	0.2006
75	o-Xylene	91	16.518	16.518	(1.067)	79339	0.16000	0.2168
76	1,1,2,2-Tetrachloroethane	83	16.830	16.830	(1.088)	40488	0.16000	0.1907
77	1,2,3-Trichloropropane	110	16.991	16.986	(1.098)	11707	0.16000	0.1976
78	Cumene	105	17.120	17.120	(1.106)	105806	0.16000	0.2245
80	n-Propylbenzene	120	17.669	17.663	(1.142)	22830	0.16000	0.2193
82	2-chlorotoluene	126	17.696	17.690	(1.144)	13930	0.16000	0.1759
83	4-Ethyltoluene	105	17.825	17.819	(1.152)	101929	0.16000	0.2024
84	1,3,5-Trimethylbenzene	120	17.906	17.905	(1.157)	35673	0.16000	0.2336
85	Alpha-Methylstyrene	118	18.132	18.131	(1.172)	21013	0.16000	0.1638
87	Decane	57	18.234	18.234	(1.178)	60484	0.16000	0.2254
88	Tert-butylbenzene	119	18.336	18.336	(1.185)	65524	0.16000	0.2000
89	1,2,4-Trimethylbenzene	105	18.347	18.347	(1.186)	83025	0.16000	0.2223
90	sec-butylbenzene	105	18.610	18.610	(1.203)	118508	0.16000	0.2284
91	1,3-Dichlorobenzene	146	18.605	18.599	(1.202)	35212	0.16000	0.1860
92	Benzyl Chloride	91	18.680	18.680	(1.207)	56589	0.16000	0.1742
93	1,4-Dichlorobenzene	146	18.691	18.691	(1.208)	34910	0.16000	0.1883
94	p-Cymene	119	18.782	18.782	(1.214)	93328	0.16000	0.2279
96	1,2-Dichlorobenzene	146	19.057	19.051	(1.232)	35016	0.16000	0.2023
97	n-butylbenzene	91	19.224	19.223	(1.242)	100603	0.16000	0.2235
98	Undecane	57	19.579	19.579	(1.265)	71861	0.16000	0.2590
101	Dodecane	57	20.649	20.649	(1.334)	40523	0.16000	0.2292
102	1,2,4-Trichlorobenzene	180	20.778	20.778	(1.343)	29440	0.16000	0.2053
103	Napthalene	128	20.913	20.913	(1.351)	61728	0.16000	0.2500
104	Hexachlorobutadiene	225	21.155	21.149	(1.367)	47157	0.16000	0.2105
105	1,2,3-trichlorobenzene	180	21.203	21.203	(1.370)	31670	0.16000	0.2544

Data File: /var/chem/gcms/me.i/E011608I.b/eica162.d
Date : 16-JAN-2008 12:58
Client ID: STD 0.16
Sample Info: EICAL2,,1,2,,STD 0.16
Purge Volume: 200.0
Column phase: HP-5

Instrument: me.i
Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/me.i/E011608I.b/eica163.d
Report Date: 25-Jan-2008 08:54

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/me.i/E011608I.b/eica163.d
Lab Smp Id: EICAL3 Client Smp ID: STD 0.32
Inj Date : 16-JAN-2008 13:40
Operator : 7126 Inst ID: me.i
Smp Info : EICAL3,,1,3,,STD 0.32
Misc Info : E011608I,TO155,,,
Comment :
Method : /var/chem/gcms/me.i/E011608I.b/TO155.m
Meth Date : 25-Jan-2008 08:54 tajh Quant Type: ISTD
Cal Date : 16-JAN-2008 13:40 Cal File: eica163.d
Als bottle: 11 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	default calibration
Vo	200.00000	default sample volume

Cpnd Variable Local Compound Variable

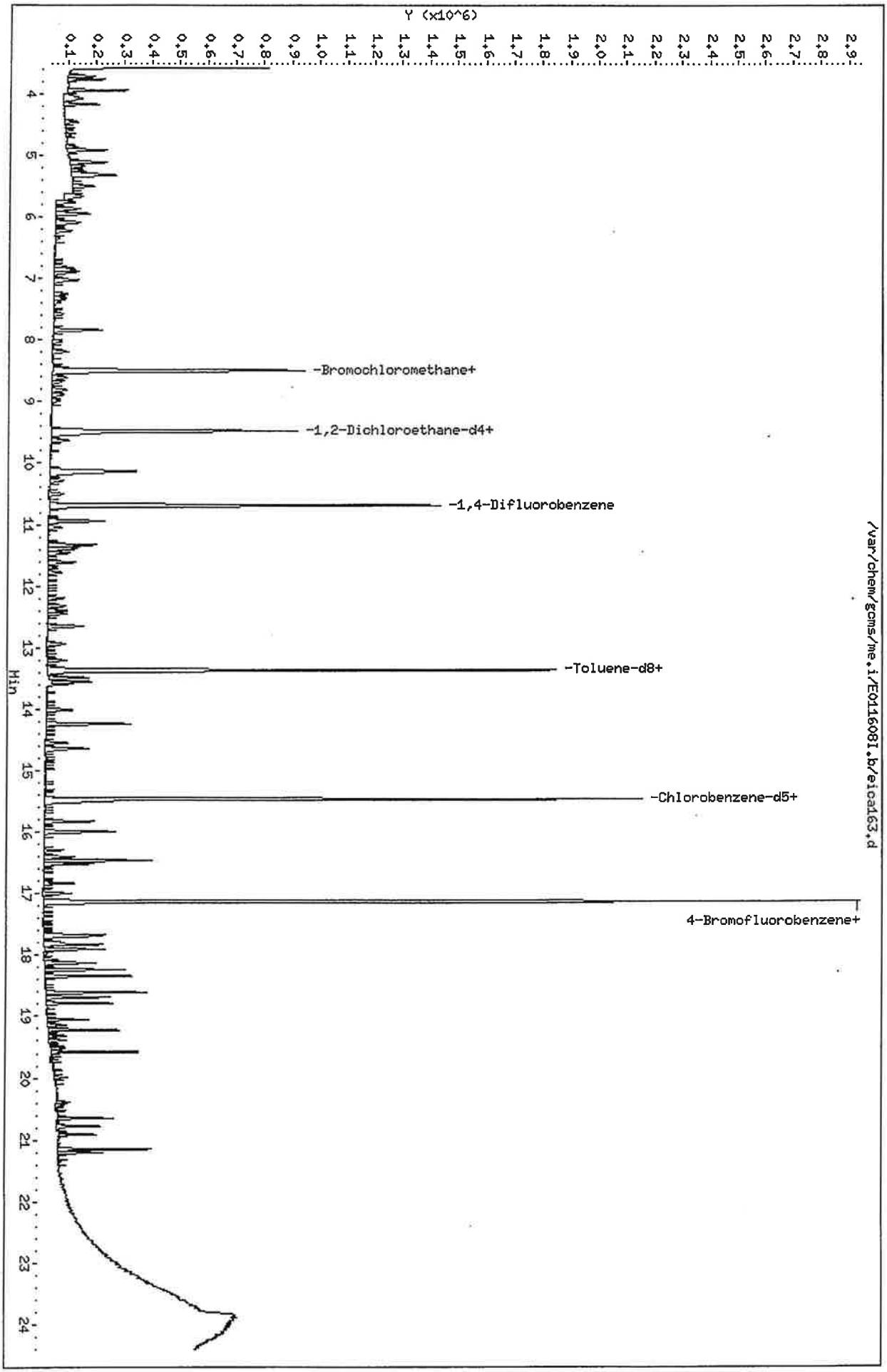
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	8.502	8.497	(1.000)	234460	4.00000	4.000
*	2 1,4-Difluorobenzene	114	10.691	10.691	(1.000)	1070963	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.468	15.469	(1.000)	1005991	4.00000	4.000
$	4 1,2-Dichloroethane-d4	67	9.481	9.476	(0.887)	372685	4.00000	4.068
$	5 Toluene-d8	98	13.370	13.370	(0.864)	1158584	4.00000	3.896
$	6 4-Bromofluorobenzene	95	17.131	17.131	(1.107)	1001865	4.00000	3.897
	7 Chlorodifluoromethane	67	3.714	3.720	(0.437)	15723	0.32000	0.3695
	8 Propene	41	3.730	3.730	(0.439)	26698	0.32000	0.3321
	9 Dichlorodifluoromethane	85	3.773	3.773	(0.444)	128795	0.32000	0.3332
	10 Chloromethane	52	3.940	3.935	(0.463)	10962	0.32000	0.3278
	11 1,2-Dichlorotetrafluoroethane	135	3.945	3.945	(0.464)	56003	0.32000	0.3256
	13 Vinyl Chloride	62	4.096	4.091	(0.482)	36929	0.32000	0.3324
	14 n-Butane	43	4.177	4.177	(0.491)	54803	0.32000	0.3436
	15 1,3-Butadiene	54	4.177	4.171	(0.491)	24031	0.32000	0.3255
	16 Bromomethane	94	4.462	4.462	(0.525)	33586	0.32000	0.3427
	17 Chloroethane	64	4.596	4.591	(0.541)	16431	0.32000	0.3426

Data File: /var/chem/gcms/me.i/E011608I.b/eica163.d
Report Date: 25-Jan-2008 08:54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
18 Vinyl Bromide	106	4.865	4.871	(0.572)	31703	0.32000	0.3503
19 2-methyl butane	43	4.925	4.925	(0.579)	59649	0.32000	0.4215
20 Trichlorofluoromethane	101	5.124	5.124	(0.603)	117125	0.32000	0.3258
21 Acrolein	56	5.129	5.140	(0.603)	10283	0.32000	0.3254
22 Acetonitrile	40	5.177	5.194	(0.609)	12845	0.32000	0.3763
23 Acetone	58	5.253	5.263	(0.618)	21233	0.32000	0.6697
24 Pentane	72	5.328	5.339	(0.627)	8908	0.32000	0.4872
25 Isopropyl Alcohol	45	5.317	5.280	(0.625)	52262	0.32000	0.2943
26 Ethyl Ether	31	5.500	5.511	(0.647)	28796	0.32000	0.3087
27 1,1-Dichloroethene	96	5.764	5.764	(0.678)	22499	0.32000	0.2944
28 Acrylonitrile	53	5.871	5.887	(0.691)	15124	0.32000	0.3077
29 tert-butanol	59	5.871	5.877	(0.691)	87936	0.32000	0.3208
30 1,1,2-Trichlorotrifluoroethane	101	5.947	5.947	(0.699)	55067	0.32000	0.3180
31 Methylene Chloride	84	6.086	6.092	(0.716)	34508	0.32000	0.4055
32 3-Chloropropene	39	6.108	6.108	(0.718)	34288	0.32000	0.3638
33 Carbon Disulfide	76	6.226	6.237	(0.732)	102515	0.32000	0.3301
35 trans-1,2-Dichloroethene	96	6.850	6.861	(0.806)	29604	0.32000	0.3368
36 Methyl-t-Butyl Ether	73	7.028	7.028	(0.827)	104747	0.32000	0.3201
37 1,1-Dichloroethane	63	7.248	7.249	(0.853)	58258	0.32000	0.3441
38 Vinyl Acetate	43	7.383	7.394	(0.868)	48679	0.32000	0.2623
39 Hexane	56	7.835	7.835	(0.922)	38719	0.32000	0.4165
40 2-Butanone	72	7.829	7.856	(0.921)	11120	0.32000	0.2952
41 cis 1,2-Dichloroethene	96	8.190	8.190	(0.963)	26345	0.32000	0.3445
42 Ethyl Acetate	45	8.437	8.437	(0.992)	6962	0.32000	0.2830
43 Chloroform	83	8.518	8.518	(1.002)	76455	0.32000	0.3466
44 Tetrahydrofuran	42	8.986	9.002	(1.057)	22671	0.32000	0.2649
45 1,1,1-Trichloroethane	97	9.529	9.524	(1.121)	87013	0.32000	0.3620
46 1,2-Dichloroethane	62	9.626	9.616	(0.900)	77870	0.32000	0.4300
47 Benzene	78	10.121	10.116	(0.947)	107240	0.32000	0.4172
48 1-Butanol	31	10.137	10.164	(0.948)	12582	0.32000	0.2843
49 Cyclohexane	69	10.127	10.127	(0.947)	23947	0.32000	0.4506
50 Carbon Tetrachloride	117	10.143	10.148	(0.949)	89675	0.32000	0.3563
51 2,2,4-trimethylpentane	57	10.944	10.939	(1.024)	203764	0.32000	0.4485
52 Heptane	43	11.326	11.326	(1.059)	76970	0.32000	0.4307
53 1,2-Dichloropropane	63	11.369	11.364	(1.063)	27115	0.32000	0.3382
54 Trichloroethene	130	11.402	11.396	(1.066)	26882	0.32000	0.3328
55 Dibromomethane	93	11.461	11.466	(1.072)	38569	0.32000	0.3548
56 Bromodichloromethane	83	11.617	11.611	(1.087)	81229	0.32000	0.3545
57 1,4-dioxane	88	11.692	11.708	(1.094)	13488	0.32000	0.2785
58 Methyl Methacrylate	41	11.778	11.784	(1.102)	30405	0.32000	0.2716
59 4-Methyl-2-pentanone	43	12.644	12.650	(1.183)	52400	0.32000	0.2964
60 cis-1,3-Dichloropropene	75	12.655	12.660	(1.184)	45427	0.32000	0.3268
61 trans-1,3-Dichloropropene	75	13.365	13.365	(0.864)	47143	0.32000	0.2844
62 Toluene	91	13.489	13.483	(0.872)	109935	0.32000	0.3767
63 1,1,2-Trichloroethane	97	13.559	13.553	(0.877)	26175	0.32000	0.3132
64 2-Hexanone	58	14.005	14.011	(0.905)	21318	0.32000	0.2728
65 Octane	85	14.237	14.231	(0.920)	40113	0.32000	0.4016

Data File: /var/chem/gcms/me.i/E011608I.b/eica163.d
Report Date: 25-Jan-2008 08:54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
66 Dibromochloromethane	129	14.247	14.253	(0.921)	55073	0.32000	0.3165
67 1,2-Dibromoethane	107	14.549	14.549	(0.941)	56256	0.32000	0.3702
68 Tetrachloroethene	129	14.635	14.635	(0.946)	30113	0.32000	0.3394
69 Chlorobenzene	112	15.522	15.522	(1.003)	54347	0.32000	0.3096
70 Ethylbenzene	91	15.829	15.829	(1.023)	139333	0.32000	0.3478
71 m&p-Xylene	91	15.996	15.996	(1.034)	184275	0.64000	0.6083
72 Bromoform	173	16.399	16.405	(1.060)	52507	0.32000	0.2866
73 Nonane	57	16.464	16.464	(1.064)	80611	0.32000	0.3707
74 Styrene	104	16.453	16.458	(1.064)	63667	0.32000	0.3174
75 o-Xylene	91	16.517	16.518	(1.068)	112767	0.32000	0.3274
76 1,1,2,2-Tetrachloroethane	83	16.829	16.830	(1.088)	54893	0.32000	0.2746
77 1,2,3-Trichloropropane	110	16.991	16.986	(1.098)	14607	0.32000	0.2620
78 Cumene	105	17.120	17.120	(1.107)	141275	0.32000	0.3184
80 n-Propylbenzene	120	17.669	17.663	(1.142)	29364	0.32000	0.2996
82 2-chlorotoluene	126	17.696	17.690	(1.144)	21538	0.32000	0.2889
83 4-Ethyltoluene	105	17.825	17.819	(1.152)	135354	0.32000	0.2854
84 1,3,5-Trimethylbenzene	120	17.900	17.905	(1.157)	42299	0.32000	0.2943
85 Alpha-Methylstyrene	118	18.126	18.131	(1.172)	27606	0.32000	0.2286
87 Decane	57	18.234	18.234	(1.179)	81829	0.32000	0.3239
88 Tert-butylbenzene	119	18.336	18.336	(1.185)	78136	0.32000	0.2534
89 1,2,4-Trimethylbenzene	105	18.341	18.347	(1.186)	103709	0.32000	0.2951
90 sec-butylbenzene	105	18.610	18.610	(1.203)	143390	0.32000	0.2936
91 1,3-Dichlorobenzene	146	18.605	18.599	(1.203)	46480	0.32000	0.2608
92 Benzyl Chloride	91	18.680	18.680	(1.208)	74597	0.32000	0.2440
93 1,4-Dichlorobenzene	146	18.691	18.691	(1.208)	46927	0.32000	0.2688
94 p-Cymene	119	18.782	18.782	(1.214)	110353	0.32000	0.2863
96 1,2-Dichlorobenzene	146	19.057	19.051	(1.232)	45401	0.32000	0.2786
97 n-butylbenzene	91	19.223	19.223	(1.243)	128155	0.32000	0.3024
98 Undecane	57	19.578	19.579	(1.266)	85784	0.32000	0.3283
101 Dodecane	57	20.649	20.649	(1.335)	52845	0.32000	0.3174
102 1,2,4-Trichlorobenzene	180	20.778	20.778	(1.343)	39040	0.32000	0.2892
103 Napthalene	128	20.913	20.913	(1.352)	81159	0.32000	0.3490
104 Hexachlorobutadiene	225	21.155	21.149	(1.368)	63423	0.32000	0.3007
105 1,2,3-trichlorobenzene	180	21.203	21.203	(1.371)	40862	0.32000	0.3486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Client ID: STD 0.32
Sample Info: EICAL3,.1,3,,STD 0.32
Purge Volume: 200.0
Column phase: HP-5
Instrument: me.i
Operator: 7126
Column diameter: 0.32
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-1,2-Dichloroethane-d4+
-1,4-Difluorobenzene
-Toluene-d8+
-Chlorobenzene-d5+
4-Bromofluorobenzene+
/var/chem/gcms/me.i/E011608I.b/eica163.d
Min

Data File: /var/chem/gcms/me.i/E011608I.b/eica164.d
Report Date: 25-Jan-2008 08:54

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/me.i/E011608I.b/eica164.d
Lab Smp Id: EICAL4 Client Smp ID: STD
Inj Date : 16-JAN-2008 14:17
Operator : 7126 Inst ID: me.i
Smp Info : EICAL4,,1,4,,STD
Misc Info : E011608I,TO155,,,
Comment :
Method : /var/chem/gcms/me.i/E011608I.b/TO155.m
Meth Date : 25-Jan-2008 08:54 tajh Quant Type: ISTD
Cal Date : 16-JAN-2008 14:17 Cal File: eica164.d
Als bottle: 12 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	default calibration
Vo	200.00000	default sample volume

Cpnd Variable Local Compound Variable

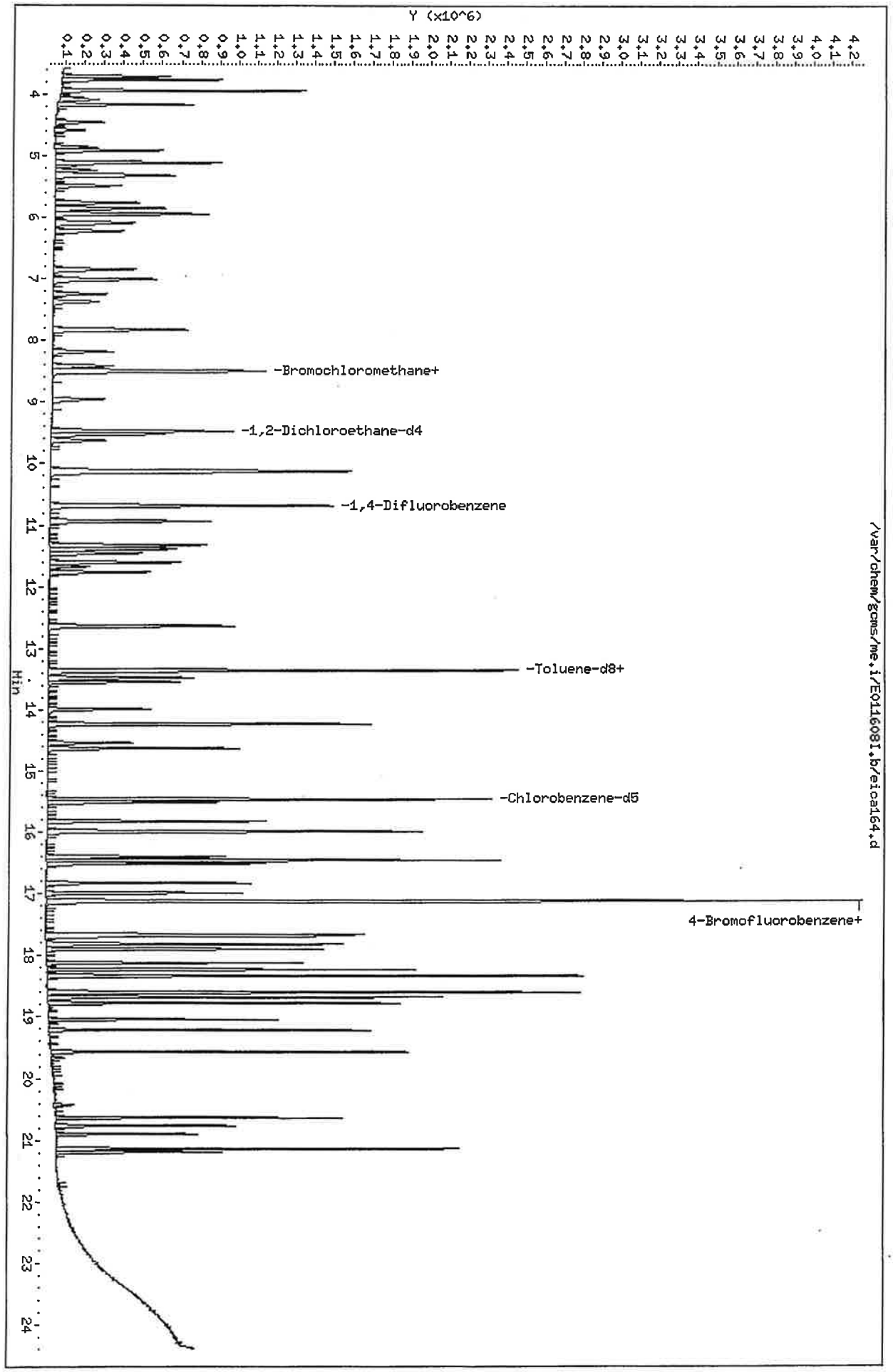
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
* 1 Bromochloromethane	128	8.497	8.497	(1.000)	220975	4.00000	4.000
* 2 1,4-Difluorobenzene	114	10.691	10.691	(1.000)	1141914	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.469	15.469	(1.000)	1091113	4.00000	4.000
$ 4 1,2-Dichloroethane-d4	67	9.481	9.476	(0.887)	395459	4.00000	4.048
$ 5 Toluene-d8	98	13.370	13.370	(0.864)	1280761	4.00000	3.971
$ 6 4-Bromofluorobenzene	95	17.131	17.131	(1.107)	1113217	4.00000	3.992
7 Chlorodifluoromethane	67	3.714	3.720	(0.437)	82854	1.80000	2.066
8 Propene	41	3.730	3.730	(0.439)	157621	1.80000	2.080
9 Dichlorodifluoromethane	85	3.773	3.773	(0.444)	782374	1.80000	2.148
10 Chloromethane	52	3.940	3.935	(0.464)	60971	1.80000	1.935
11 1,2-Dichlorotetrafluoroethane	135	3.951	3.945	(0.465)	320452	1.80000	1.977
12 Methanol	31	4.053	4.053	(0.477)	60304	1.80000	2.448
13 Vinyl Chloride	62	4.096	4.091	(0.482)	212982	1.80000	2.034
14 n-Butane	43	4.177	4.177	(0.492)	288220	1.80000	1.917
15 1,3-Butadiene	54	4.177	4.171	(0.492)	142636	1.80000	2.050
16 Bromomethane	94	4.462	4.462	(0.525)	179483	1.80000	1.943

Data File: /var/chem/gcms/me.i/E011608I.b/eica164.d
Report Date: 25-Jan-2008 08:54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
17 Chloroethane	64	4.596	4.591	(0.541)	92887	1.80000	2.055
18 Vinyl Bromide	106	4.865	4.871	(0.573)	164822	1.80000	1.932
19 2-methyl butane	43	4.925	4.925	(0.580)	229057	1.80000	1.717
20 Trichlorofluoromethane	101	5.124	5.124	(0.603)	733169	1.80000	2.164
21 Acrolein	56	5.129	5.140	(0.604)	65333	1.80000	2.194
22 Acetonitrile	40	5.183	5.194	(0.610)	73987	1.80000	2.300
23 Acetone	58	5.242	5.263	(0.617)	71234	1.80000	2.384
24 Pentane	72	5.333	5.339	(0.628)	31686	1.80000	1.839
25 Isopropyl Alcohol	45	5.306	5.280	(0.625)	391896	1.80000	2.342
26 Ethyl Ether	31	5.495	5.511	(0.647)	212524	1.80000	2.418
27 1,1-Dichloroethene	96	5.769	5.764	(0.679)	158952	1.80000	2.207
28 Acrylonitrile	53	5.861	5.887	(0.690)	116843	1.80000	2.522
29 tert-butanol	59	5.855	5.877	(0.689)	536667	1.80000	2.077
30 1,1,2-Trichlorotrifluoroethane	101	5.952	5.947	(0.701)	361799	1.80000	2.217
31 Methylene Chloride	84	6.087	6.092	(0.716)	139136	1.80000	1.735
32 3-Chloropropene	39	6.108	6.108	(0.719)	187861	1.80000	2.115
33 Carbon Disulfide	76	6.232	6.237	(0.733)	602979	1.80000	2.060
35 trans-1,2-Dichloroethene	96	6.850	6.861	(0.806)	171841	1.80000	2.074
36 Methyl-t-Butyl Ether	73	7.012	7.028	(0.825)	624590	1.80000	2.025
37 1,1-Dichloroethane	63	7.249	7.249	(0.853)	326444	1.80000	2.046
38 Vinyl Acetate	43	7.378	7.394	(0.868)	459561	1.80000	2.628
39 Hexane	56	7.835	7.835	(0.922)	156267	1.80000	1.784
40 2-Butanone	72	7.808	7.856	(0.919)	87165	1.80000	2.455
41 cis 1,2-Dichloroethene	96	8.190	8.190	(0.964)	143196	1.80000	1.987
42 Ethyl Acetate	45	8.421	8.437	(0.991)	59313	1.80000	2.558
43 Chloroform	83	8.518	8.518	(1.003)	437623	1.80000	2.105
44 Tetrahydrofuran	42	8.959	9.002	(1.054)	201666	1.80000	2.500
45 1,1,1-Trichloroethane	97	9.529	9.524	(1.122)	478504	1.80000	2.112
46 1,2-Dichloroethane	62	9.626	9.616	(0.900)	347350	1.80000	1.799
47 Benzene	78	10.121	10.116	(0.947)	448744	1.80000	1.637
48 1-Butanol	31	10.121	10.164	(0.947)	100001	1.80000	2.119
49 Cyclohexane	69	10.127	10.127	(0.947)	98346	1.80000	1.735
50 Carbon Tetrachloride	117	10.148	10.148	(0.949)	568941	1.80000	2.120
51 2,2,4-trimethylpentane	57	10.944	10.939	(1.024)	854493	1.80000	1.764
52 Heptane	43	11.326	11.326	(1.059)	344375	1.80000	1.807
53 1,2-Dichloropropane	63	11.359	11.364	(1.062)	185052	1.80000	2.165
54 Trichloroethene	130	11.396	11.396	(1.066)	179266	1.80000	2.082
55 Dibromomethane	93	11.461	11.466	(1.072)	236180	1.80000	2.038
56 Bromodichloromethane	83	11.617	11.611	(1.087)	528964	1.80000	2.165
57 1,4-dioxane	88	11.681	11.708	(1.093)	108324	1.80000	2.098
58 Methyl Methacrylate	41	11.773	11.784	(1.101)	302875	1.80000	2.537
59 4-Methyl-2-pentanone	43	12.639	12.650	(1.182)	412786	1.80000	2.190
60 cis-1,3-Dichloropropene	75	12.655	12.660	(1.184)	327908	1.80000	2.212
61 trans-1,3-Dichloropropene	75	13.365	13.365	(0.864)	379269	1.80000	2.109
62 Toluene	91	13.489	13.483	(0.872)	567797	1.80000	1.794
63 1,1,2-Trichloroethane	97	13.553	13.553	(0.876)	196673	1.80000	2.169
64 2-Hexanone	58	14.000	14.011	(0.905)	181405	1.80000	2.140

Data File: /var/chem/gcms/me.i/E011608I.b/eica164.d
Report Date: 25-Jan-2008 08:54

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
65	Octane	85	14.237	14.231	(0.920)	199547	1.80000	1.842
66	Dibromochloromethane	129	14.247	14.253	(0.921)	411738	1.80000	2.182
67	1,2-Dibromoethane	107	14.549	14.549	(0.941)	311601	1.80000	1.891
68	Tetrachloroethene	129	14.635	14.635	(0.946)	205263	1.80000	2.133
69	Chlorobenzene	112	15.522	15.522	(1.003)	417038	1.80000	2.190
70	Ethylbenzene	91	15.829	15.829	(1.023)	855116	1.80000	1.968
71	m&p-Xylene	91	15.996	15.996	(1.034)	1437365	3.60000	4.375
72	Bromoform	173	16.405	16.405	(1.060)	450947	1.80000	2.269
73	Nonane	57	16.464	16.464	(1.064)	443304	1.80000	1.880
74	Styrene	104	16.453	16.458	(1.064)	439218	1.80000	2.019
75	o-Xylene	91	16.518	16.518	(1.068)	744645	1.80000	1.993
76	1,1,2,2-Tetrachloroethane	83	16.830	16.830	(1.088)	519764	1.80000	2.397
77	1,2,3-Trichloropropane	110	16.991	16.986	(1.098)	147449	1.80000	2.438
78	Cumene	105	17.120	17.120	(1.107)	956403	1.80000	1.987
80	n-Propylbenzene	120	17.669	17.663	(1.142)	217361	1.80000	2.045
82	2-chlorotoluene	126	17.696	17.690	(1.144)	182134	1.80000	2.252
83	4-Ethyltoluene	105	17.825	17.819	(1.152)	932538	1.80000	1.813
84	1,3,5-Trimethylbenzene	120	17.905	17.905	(1.158)	311436	1.80000	1.998
85	Alpha-Methylstyrene	118	18.131	18.131	(1.172)	320330	1.80000	2.445
87	Decane	57	18.234	18.234	(1.179)	558333	1.80000	2.037
88	Tert-butylbenzene	119	18.336	18.336	(1.185)	772536	1.80000	2.310
89	1,2,4-Trimethylbenzene	105	18.347	18.347	(1.186)	780435	1.80000	2.047
90	sec-butylbenzene	105	18.610	18.610	(1.203)	1080305	1.80000	2.039
91	1,3-Dichlorobenzene	146	18.605	18.599	(1.203)	399935	1.80000	2.069
92	Benzyl Chloride	91	18.680	18.680	(1.208)	729039	1.80000	2.199
93	1,4-Dichlorobenzene	146	18.691	18.691	(1.208)	385672	1.80000	2.037
94	p-Cymene	119	18.782	18.782	(1.214)	845643	1.80000	2.022
96	1,2-Dichlorobenzene	146	19.057	19.051	(1.232)	367188	1.80000	2.078
97	n-butylbenzene	91	19.223	19.223	(1.243)	833515	1.80000	1.813
98	Undecane	57	19.579	19.579	(1.266)	504782	1.80000	1.781
101	Dodecane	57	20.649	20.649	(1.335)	389535	1.80000	2.157
102	1,2,4-Trichlorobenzene	180	20.778	20.778	(1.343)	230927	1.80000	1.577
103	Napthalene	128	20.913	20.913	(1.352)	435940	1.80000	1.728
104	Hexachlorobutadiene	225	21.155	21.149	(1.368)	384675	1.80000	1.681
105	1,2,3-trichlorobenzene	180	21.203	21.203	(1.371)	223456	1.80000	1.758


Data File: /var/chem/gcms/me.i/E0116081.b/eica164.d
Date : 16-JAN-2008 14:17
Client ID: STD
Sample Info: EICAL4,,1,4,,STD
Purge Volume: 200.0
Column phase: HP-5
Instrument: me.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
-Bromochloromethane+
-1,2-Dichloroethane-d4
-1,4-Difluorobenzene
-Toluene-d8+
-Chlorobenzene-d5
4-Bromofluorobenzene+
/var/chem/gcms/me.i/E0116081.b/eica164.d
Min

Data File: /var/chem/gcms/me.i/E011608I.b/eica165.d
Report Date: 25-Jan-2008 08:54

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/me.i/E011608I.b/eica165.d
Lab Smp Id: EICAL5 Client Smp ID: STD 4.0
Inj Date : 16-JAN-2008 15:00
Operator : 7126 Inst ID: me.i
Smp Info : EICAL5,,1,5,,STD 4.0
Misc Info : E011608I,TO155,,,
Comment :
Method : /var/chem/gcms/me.i/E011608I.b/TO155.m
Meth Date : 25-Jan-2008 08:54 tajh Quant Type: ISTD
Cal Date : 16-JAN-2008 15:00 Cal File: eica165.d
Als bottle: 13 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	default calibration
Vo	200.00000	default sample volume

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
* 1 Bromochloromethane	128	8.502	8.497	(1.000)	211790	4.00000	4.000
* 2 1,4-Difluorobenzene	114	10.697	10.691	(1.000)	1109893	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.474	15.469	(1.000)	1173143	4.00000	4.000
$ 4 1,2-Dichloroethane-d4	67	9.476	9.476	(0.886)	354719	4.00000	3.736
$ 5 Toluene-d8	98	13.376	13.370	(0.864)	1310826	4.00000	3.780
$ 6 4-Bromofluorobenzene	95	17.131	17.131	(1.107)	1186055	4.00000	3.956
7 Chlorodifluoromethane	67	3.720	3.720	(0.437)	158314	4.00000	4.120
8 Propene	41	3.730	3.730	(0.439)	331974	4.00000	4.573
9 Dichlorodifluoromethane	85	3.779	3.773	(0.444)	1593210	4.00000	4.564
10 Chloromethane	52	3.940	3.935	(0.463)	119055	4.00000	3.943
11 1,2-Dichlorotetrafluoroethane	135	3.951	3.945	(0.465)	662619	4.00000	4.266
12 Methanol	31	4.053	4.053	(0.477)	111899	4.00000	4.741
13 Vinyl Chloride	62	4.096	4.091	(0.482)	414950	4.00000	4.136
14 n-Butane	43	4.182	4.177	(0.492)	576291	4.00000	4.001
15 1,3-Butadiene	54	4.177	4.171	(0.491)	279440	4.00000	4.191
16 Bromomethane	94	4.467	4.462	(0.525)	350818	4.00000	3.963

Data File: /var/chem/gcms/me.i/E011608I.b/eica165.d
Report Date: 25-Jan-2008 08:54

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
17 Chloroethane	64	4.597	4.591	(0.541)	169126	4.00000	3.905
18 Vinyl Bromide	106	4.871	4.871	(0.573)	320835	4.00000	3.926
19 2-methyl butane	43	4.925	4.925	(0.579)	434954	4.00000	3.403
20 Trichlorofluoromethane	101	5.124	5.124	(0.603)	1341279	4.00000	4.132
21 Acrolein	56	5.129	5.140	(0.603)	111161	4.00000	3.896
22 Acetonitrile	40	5.183	5.194	(0.610)	130717	4.00000	4.241
23 Acetone	58	5.242	5.263	(0.617)	121965	4.00000	4.260
24 Pentane	72	5.339	5.339	(0.628)	61338	4.00000	3.715
25 Isopropyl Alcohol	45	5.307	5.280	(0.624)	789784	4.00000	4.925
26 Ethyl Ether	31	5.495	5.511	(0.646)	353568	4.00000	4.197
27 1,1-Dichloroethene	96	5.769	5.764	(0.679)	304696	4.00000	4.416
28 Acrylonitrile	53	5.866	5.887	(0.690)	202616	4.00000	4.565
29 tert-butanol	59	5.861	5.877	(0.689)	1167338	4.00000	4.716
30 1,1,2-Trichlorotrifluoroethane	101	5.952	5.947	(0.700)	685177	4.00000	4.382
31 Methylene Chloride	84	6.087	6.092	(0.716)	240842	4.00000	3.134
32 3-Chloropropene	39	6.114	6.108	(0.719)	296442	4.00000	3.483
33 Carbon Disulfide	76	6.232	6.237	(0.733)	1125376	4.00000	4.012
35 trans-1,2-Dichloroethene	96	6.856	6.861	(0.806)	318496	4.00000	4.012
36 Methyl-t-Butyl Ether	73	7.017	7.028	(0.825)	1075129	4.00000	3.638
37 1,1-Dichloroethane	63	7.254	7.249	(0.853)	535764	4.00000	3.504
38 Vinyl Acetate	43	7.378	7.394	(0.868)	763272	4.00000	4.555
39 Hexane	56	7.840	7.835	(0.922)	291858	4.00000	3.476
40 2-Butanone	72	7.814	7.856	(0.919)	159708	4.00000	4.695
41 cis 1,2-Dichloroethene	96	8.190	8.190	(0.963)	244789	4.00000	3.544
42 Ethyl Acetate	45	8.421	8.437	(0.990)	103596	4.00000	4.662
43 Chloroform	83	8.518	8.518	(1.002)	718471	4.00000	3.607
44 Tetrahydrofuran	42	8.959	9.002	(1.054)	352719	4.00000	4.564
45 1,1,1-Trichloroethane	97	9.530	9.524	(1.121)	789886	4.00000	3.639
46 1,2-Dichloroethane	62	9.626	9.616	(0.900)	536502	4.00000	2.858
47 Benzene	78	10.121	10.116	(0.946)	751612	4.00000	2.822
48 1-Butanol	31	10.116	10.164	(0.946)	230934	4.00000	5.034
49 Cyclohexane	69	10.132	10.127	(0.947)	184177	4.00000	3.344
50 Carbon Tetrachloride	117	10.148	10.148	(0.949)	1016753	4.00000	3.898
51 2,2,4-trimethylpentane	57	10.944	10.939	(1.023)	1482018	4.00000	3.148
52 Heptane	43	11.332	11.326	(1.059)	599903	4.00000	3.239
53 1,2-Dichloropropane	63	11.364	11.364	(1.062)	305319	4.00000	3.674
54 Trichloroethene	130	11.396	11.396	(1.065)	321976	4.00000	3.846
55 Dibromomethane	93	11.461	11.466	(1.071)	394650	4.00000	3.503
56 Bromodichloromethane	83	11.617	11.611	(1.086)	879702	4.00000	3.704
57 1,4-dioxane	88	11.676	11.708	(1.092)	235911	4.00000	4.701
58 Methyl Methacrylate	41	11.773	11.784	(1.101)	540000	4.00000	4.654
59 4-Methyl-2-pentanone	43	12.644	12.650	(1.182)	897581	4.00000	4.899
60 cis-1,3-Dichloropropene	75	12.655	12.660	(1.183)	563190	4.00000	3.910
61 trans-1,3-Dichloropropene	75	13.365	13.365	(0.864)	685304	4.00000	3.545
62 Toluene	91	13.489	13.483	(0.872)	1000995	4.00000	2.941
63 1,1,2-Trichloroethane	97	13.559	13.553	(0.876)	366436	4.00000	3.759
64 2-Hexanone	58	14.000	14.011	(0.905)	431838	4.00000	4.738

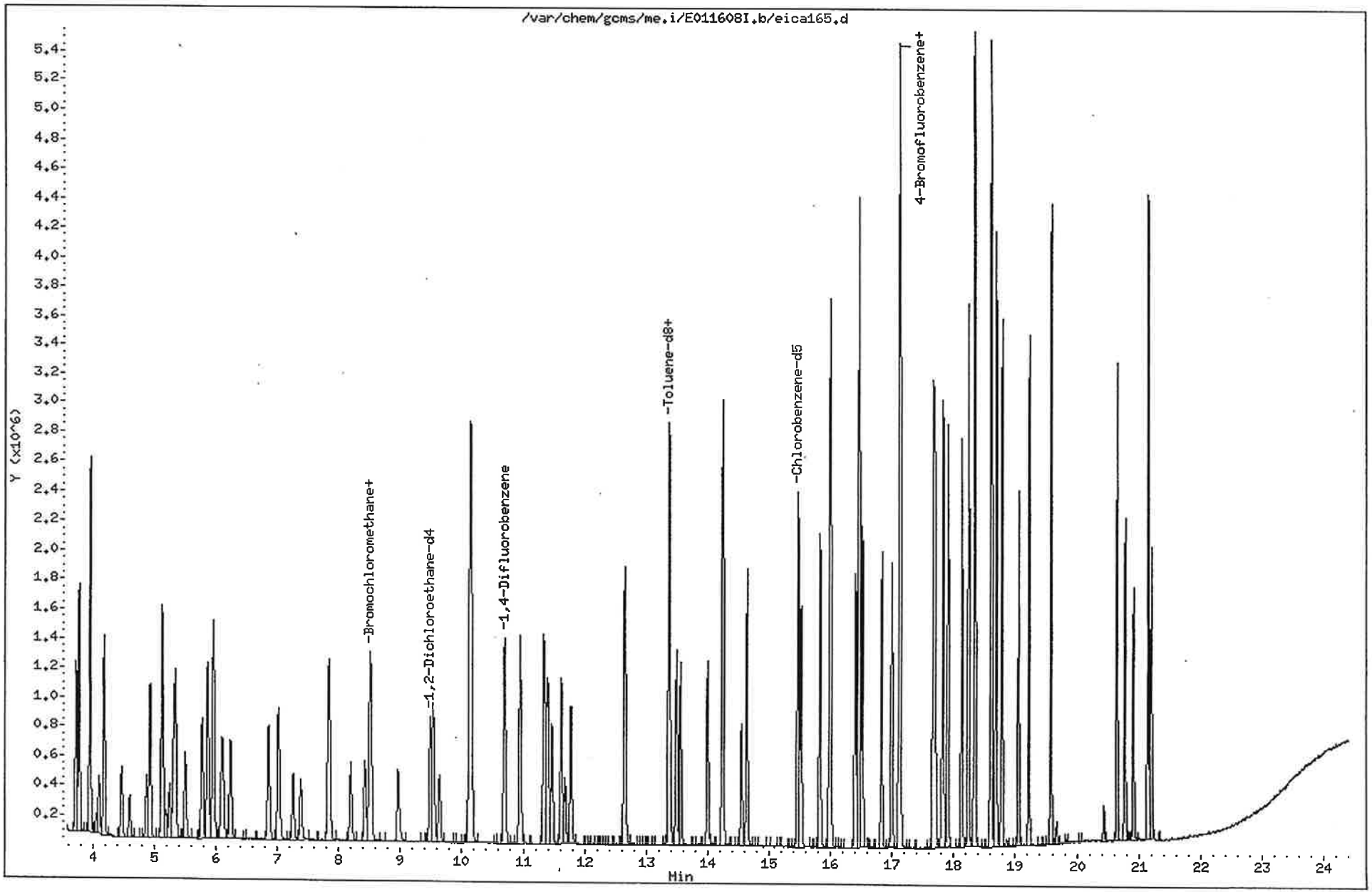
Data File: /var/chem/gcms/me.i/E011608I.b/eica165.d
Report Date: 25-Jan-2008 08:54

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
65	Octane	85	14.237	14.231	(0.920)	363656	4.00000	3.122
66	Dibromochloromethane	129	14.253	14.253	(0.921)	771704	4.00000	3.803
67	1,2-Dibromoethane	107	14.549	14.549	(0.940)	587969	4.00000	3.318
68	Tetrachloroethene	129	14.640	14.635	(0.946)	378053	4.00000	3.654
69	Chlorobenzene	112	15.522	15.522	(1.003)	800267	4.00000	3.910
70	Ethylbenzene	91	15.829	15.829	(1.023)	1609740	4.00000	3.446
71	m&p-Xylene	91	15.996	15.996	(1.034)	2685327	8.00000	7.602
72	Bromoform	173	16.405	16.405	(1.060)	904873	4.00000	4.235
73	Nonane	57	16.464	16.464	(1.064)	835682	4.00000	3.296
74	Styrene	104	16.453	16.458	(1.063)	879617	4.00000	3.760
75	o-Xylene	91	16.518	16.518	(1.067)	1415147	4.00000	3.523
76	1,1,2,2-Tetrachloroethane	83	16.830	16.830	(1.088)	1026724	4.00000	4.404
77	1,2,3-Trichloropropane	110	16.996	16.986	(1.098)	284477	4.00000	4.375
78	Cumene	105	17.120	17.120	(1.106)	1829662	4.00000	3.536
80	n-Propylbenzene	120	17.669	17.663	(1.142)	431141	4.00000	3.773
82	2-chlorotoluene	126	17.696	17.690	(1.144)	368336	4.00000	4.236
83	4-Ethyltoluene	105	17.825	17.819	(1.152)	1845123	4.00000	3.336
84	1,3,5-Trimethylbenzene	120	17.906	17.905	(1.157)	629944	4.00000	3.758
85	Alpha-Methylstyrene	118	18.132	18.131	(1.172)	666580	4.00000	4.732
87	Decane	57	18.239	18.234	(1.179)	1082329	4.00000	3.673
88	Tert-butylbenzene	119	18.336	18.336	(1.185)	1536249	4.00000	4.272
89	1,2,4-Trimethylbenzene	105	18.347	18.347	(1.186)	1538214	4.00000	3.753
90	sec-butylbenzene	105	18.616	18.610	(1.203)	2121017	4.00000	3.724
91	1,3-Dichlorobenzene	146	18.605	18.599	(1.202)	830919	4.00000	3.998
92	Benzyl Chloride	91	18.680	18.680	(1.207)	1542749	4.00000	4.327
93	1,4-Dichlorobenzene	146	18.691	18.691	(1.208)	805210	4.00000	3.956
94	p-Cymene	119	18.782	18.782	(1.214)	1683355	4.00000	3.744
96	1,2-Dichlorobenzene	146	19.057	19.051	(1.232)	757486	4.00000	3.986
97	n-butylbenzene	91	19.224	19.223	(1.242)	1717958	4.00000	3.476
98	Undecane	57	19.579	19.579	(1.265)	1139684	4.00000	3.741
101	Dodecane	57	20.649	20.649	(1.334)	833724	4.00000	4.294
102	1,2,4-Trichlorobenzene	180	20.778	20.778	(1.343)	563842	4.00000	3.582
103	Napthalene	128	20.913	20.913	(1.351)	1040301	4.00000	3.836
104	Hexachlorobutadiene	225	21.155	21.149	(1.367)	849109	4.00000	3.452
105	1,2,3-trichlorobenzene	180	21.203	21.203	(1.370)	521940	4.00000	3.818

Data File: /var/chem/gcms/me.i/E011608I.b/eica165.d
Date : 16-JAN-2008 15:00
Client ID: STD 4.0
Sample Info: EICAL5,,1,5,,STD 4.0
Purge Volume: 200.0
Column phase: HP-5

Instrument: me.i

Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/me.i/E011608I.b/eica166.d
Report Date: 25-Jan-2008 08:55

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/me.i/E011608I.b/eica166.d
Lab Smp Id: EICAL6 Client Smp ID: STD 8.0
Inj Date : 16-JAN-2008 15:38
Operator : 7126 Inst ID: me.i
Smp Info : EICAL6,,1,6,,STD 8.0
Misc Info : E011608I,TO155,,,
Comment :
Method : /var/chem/gcms/me.i/E011608I.b/TO155.m
Meth Date : 25-Jan-2008 08:54 tajh Quant Type: ISTD
Cal Date : 16-JAN-2008 15:38 Cal File: eica166.d
Als bottle: 14 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	default calibration
Vo	200.00000	default sample volume

Cpnd Variable Local Compound Variable

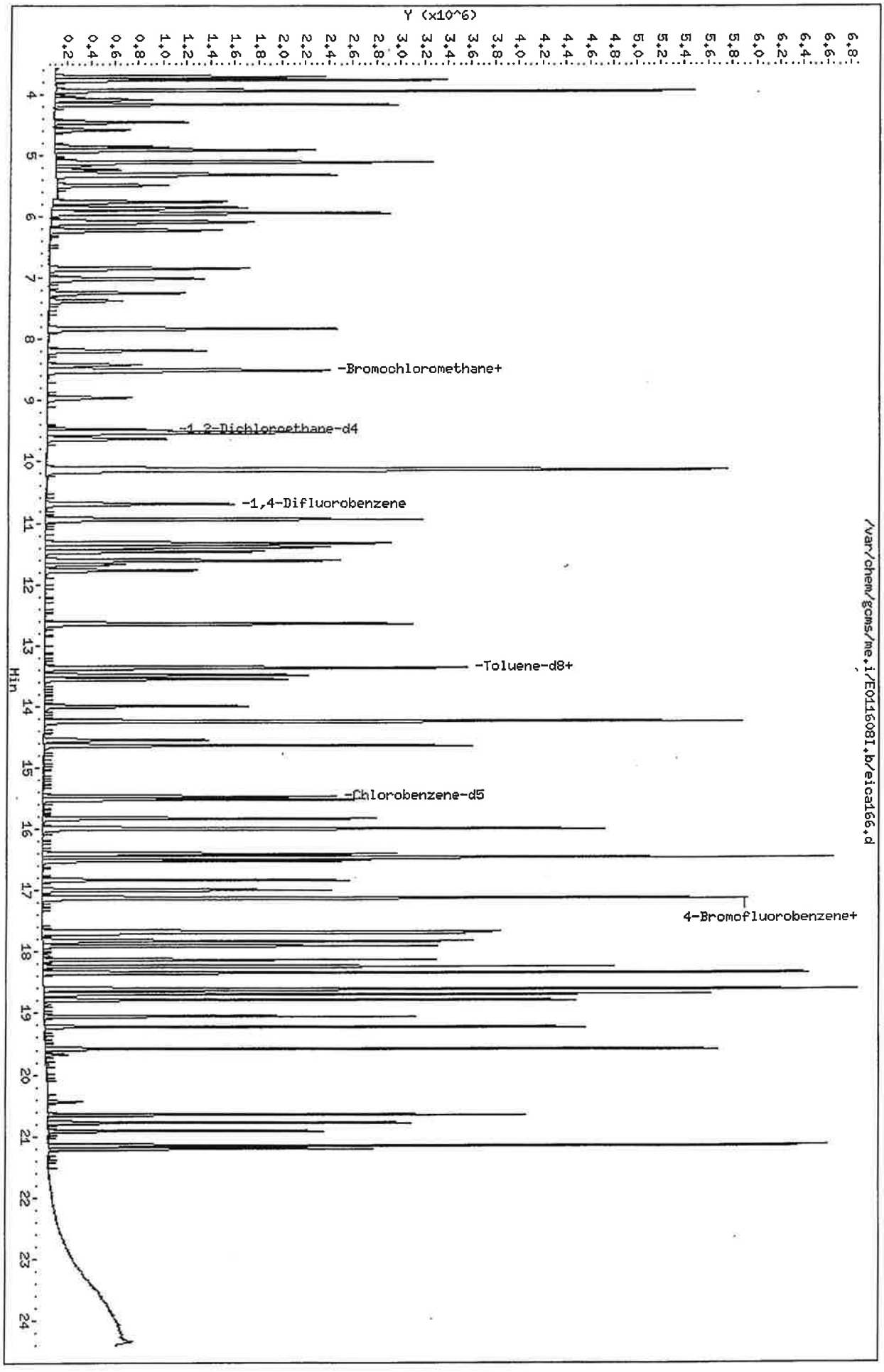
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
* 1 Bromochloromethane	128	8.497	8.497	(1.000)	249201	4.00000	4.000
* 2 1,4-Difluorobenzene	114	10.691	10.691	(1.000)	1215450	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.468	15.469	(1.000)	1138514	4.00000	4.000
$ 4 1,2-Dichloroethane-d4	67	9.476	9.476	(0.886)	416667	4.00000	4.007
$ 5 Toluene-d8	98	13.370	13.370	(0.864)	1344248	4.00000	3.995
$ 6 4-Bromofluorobenzene	95	17.131	17.131	(1.107)	1185916	4.00000	4.076
7 Chlorodifluoromethane	67	3.714	3.720	(0.437)	323417	8.00000	7.153
8 Propene	41	3.725	3.730	(0.438)	618753	8.00000	7.244
9 Dichlorodifluoromethane	85	3.773	3.773	(0.444)	3064051	8.00000	7.460
10 Chloromethane	52	3.935	3.935	(0.463)	237812	8.00000	6.693
11 1,2-Dichlorotetrafluoroethane	135	3.945	3.945	(0.464)	1417285	8.00000	7.754
12 Methanol	31	4.048	4.053	(0.476)	175887	8.00000	6.334
13 Vinyl Chloride	62	4.091	4.091	(0.481)	889045	8.00000	7.531
14 n-Butane	43	4.177	4.177	(0.492)	1199283	8.00000	7.076
15 1,3-Butadiene	54	4.171	4.171	(0.491)	604732	8.00000	7.708
16 Bromomethane	94	4.462	4.462	(0.525)	826307	8.00000	7.934

Data File: /var/chem/gcms/me.i/E011608I.b/eica166.d
Report Date: 25-Jan-2008 08:55

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
17 Chloroethane	64	4.591	4.591	(0.540)	399120	8.00000	7.832
18 Vinyl Bromide	106	4.865	4.871	(0.573)	747237	8.00000	7.770
19 2-methyl butane	43	4.919	4.925	(0.579)	919407	8.00000	6.114
20 Trichlorofluoromethane	101	5.118	5.124	(0.602)	2719017	8.00000	7.118
21 Acrolein	56	5.124	5.140	(0.603)	182817	8.00000	5.445
22 Acetonitrile	40	5.177	5.194	(0.609)	189660	8.00000	5.229
23 Acetone	58	5.242	5.263	(0.617)	203971	8.00000	6.055
24 Pentane	72	5.328	5.339	(0.627)	135781	8.00000	6.990
25 Isopropyl Alcohol	45	5.301	5.280	(0.624)	1153032	8.00000	6.111
26 Ethyl Ether	31	5.495	5.511	(0.647)	558811	8.00000	5.638
27 1,1-Dichloroethene	96	5.764	5.764	(0.678)	508277	8.00000	6.260
28 Acrylonitrile	53	5.861	5.887	(0.690)	285565	8.00000	5.468
29 tert-butanol	59	5.861	5.877	(0.690)	1549117	8.00000	5.319
30 1,1,2-Trichlorotrifluoroethane	101	5.947	5.947	(0.700)	1275516	8.00000	6.933
31 Methylene Chloride	84	6.081	6.092	(0.716)	549877	8.00000	6.081
32 3-Chloropropene	39	6.103	6.108	(0.718)	786963	8.00000	7.857
33 Carbon Disulfide	76	6.226	6.237	(0.733)	2334536	8.00000	7.074
35 trans-1,2-Dichloroethene	96	6.850	6.861	(0.806)	662249	8.00000	7.090
36 Methyl-t-Butyl Ether	73	7.017	7.028	(0.826)	1534520	8.00000	4.413
37 1,1-Dichloroethane	63	7.248	7.249	(0.853)	1350216	8.00000	7.505
38 Vinyl Acetate	43	7.372	7.394	(0.868)	1171218	8.00000	5.940
39 Hexane	56	7.835	7.835	(0.922)	564785	8.00000	5.717
40 2-Butanone	72	7.813	7.856	(0.920)	227119	8.00000	5.674
41 cis 1,2-Dichloroethene	96	8.190	8.190	(0.964)	601080	8.00000	7.397
42 Ethyl Acetate	45	8.421	8.437	(0.991)	150430	8.00000	5.754
43 Chloroform	83	8.518	8.518	(1.003)	1787029	8.00000	7.624
44 Tetrahydrofuran	42	8.959	9.002	(1.054)	512299	8.00000	5.634
45 1,1,1-Trichloroethane	97	9.529	9.524	(1.122)	2015391	8.00000	7.890
46 1,2-Dichloroethane	62	9.626	9.616	(0.900)	1210362	8.00000	5.889
47 Benzene	78	10.116	10.116	(0.946)	1681704	8.00000	5.765
48 1-Butanol	31	10.116	10.164	(0.946)	320267	8.00000	6.375
49 Cyclohexane	69	10.127	10.127	(0.947)	366508	8.00000	6.076
50 Carbon Tetrachloride	117	10.143	10.148	(0.949)	2100515	8.00000	7.354
51 2,2,4-trimethylpentane	57	10.944	10.939	(1.024)	3259896	8.00000	6.322
52 Heptane	43	11.326	11.326	(1.059)	1237726	8.00000	6.102
53 1,2-Dichloropropane	63	11.364	11.364	(1.063)	598122	8.00000	6.573
54 Trichloroethene	130	11.396	11.396	(1.066)	682028	8.00000	7.440
55 Dibromomethane	93	11.461	11.466	(1.072)	872632	8.00000	7.073
56 Bromodichloromethane	83	11.617	11.611	(1.087)	1934357	8.00000	7.438
57 1,4-dioxane	88	11.676	11.708	(1.092)	347450	8.00000	6.322
58 Methyl Methacrylate	41	11.773	11.784	(1.101)	731780	8.00000	5.760
59 4-Methyl-2-pentanone	43	12.639	12.650	(1.182)	1239953	8.00000	6.180
60 cis-1,3-Dichloropropene	75	12.650	12.660	(1.183)	1071998	8.00000	6.796
61 trans-1,3-Dichloropropene	75	13.365	13.365	(0.864)	1150873	8.00000	6.134
62 Toluene	91	13.483	13.483	(0.872)	1671815	8.00000	5.062
63 1,1,2-Trichloroethane	97	13.553	13.553	(0.876)	598578	8.00000	6.328
64 2-Hexanone	58	13.994	14.011	(0.905)	570095	8.00000	6.446

Data File: /var/chem/gcms/me.i/E011608I.b/eica166.d
Report Date: 25-Jan-2008 08:55

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
65	Octane	85	14.237	14.231	(0.920)	687493	8.00000	6.081
66	Dibromochloromethane	129	14.247	14.253	(0.921)	1424383	8.00000	7.233
67	1,2-Dibromoethane	107	14.549	14.549	(0.941)	981379	8.00000	5.706
68	Tetrachloroethene	129	14.635	14.635	(0.946)	730658	8.00000	7.277
69	Chlorobenzene	112	15.517	15.522	(1.003)	1281666	8.00000	6.452
70	Ethylbenzene	91	15.829	15.829	(1.023)	2133230	8.00000	4.706
71	m&p-Xylene	91	15.996	15.996	(1.034)	3457419	16.0000	10.08
72	Bromoform	173	16.399	16.405	(1.060)	1435599	8.00000	6.924
73	Nonane	57	16.464	16.464	(1.064)	1313893	8.00000	5.339
74	Styrene	104	16.453	16.458	(1.064)	1146976	8.00000	5.052
75	o-Xylene	91	16.517	16.518	(1.068)	1749521	8.00000	4.488
76	1,1,2,2-Tetrachloroethane	83	16.830	16.830	(1.088)	1272271	8.00000	5.624
77	1,2,3-Trichloropropane	110	16.991	16.986	(1.098)	349340	8.00000	5.536
78	Cumene	105	17.120	17.120	(1.107)	2214031	8.00000	4.409
80	n-Propylbenzene	120	17.669	17.663	(1.142)	511650	8.00000	4.613
82	2-chlorotoluene	126	17.696	17.690	(1.144)	481144	8.00000	5.702
83	4-Ethyltoluene	105	17.825	17.819	(1.152)	2159601	8.00000	4.023
84	1,3,5-Trimethylbenzene	120	17.905	17.905	(1.158)	718027	8.00000	4.414
85	Alpha-Methylstyrene	118	18.131	18.131	(1.172)	794867	8.00000	5.815
87	Decane	57	18.234	18.234	(1.179)	1400808	8.00000	4.899
88	Tert-butylbenzene	119	18.336	18.336	(1.185)	1811654	8.00000	5.190
89	1,2,4-Trimethylbenzene	105	18.347	18.347	(1.186)	1832346	8.00000	4.606
90	sec-butylbenzene	105	18.610	18.610	(1.203)	2536957	8.00000	4.590
91	1,3-Dichlorobenzene	146	18.599	18.599	(1.202)	1101533	8.00000	5.461
92	Benzyl Chloride	91	18.680	18.680	(1.208)	2006863	8.00000	5.800
93	1,4-Dichlorobenzene	146	18.691	18.691	(1.208)	1055443	8.00000	5.342
94	p-Cymene	119	18.782	18.782	(1.214)	2049663	8.00000	4.698
96	1,2-Dichlorobenzene	146	19.051	19.051	(1.232)	961568	8.00000	5.214
97	n-butylbenzene	91	19.223	19.223	(1.243)	2206096	8.00000	4.600
98	Undecane	57	19.578	19.579	(1.266)	1497955	8.00000	5.066
101	Dodecane	57	20.649	20.649	(1.335)	1035626	8.00000	5.496
102	1,2,4-Trichlorobenzene	180	20.778	20.778	(1.343)	769923	8.00000	5.040
103	Napthalene	128	20.913	20.913	(1.352)	1376812	8.00000	5.232
104	Hexachlorobutadiene	225	21.155	21.149	(1.368)	1219605	8.00000	5.109
105	1,2,3-trichlorobenzene	180	21.203	21.203	(1.371)	718850	8.00000	5.418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Date : 16-JAN-2008 15:38
Client ID: STD 8.0
Sample Info: EICAL6,1,6,,STD 8.0
Purge Volume: 200.0
Column phase: HP-5
Instrument: me.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
Hin
-Bromochloromethane+
-1,2-Dichloroethane-d4
-1,4-Difluorobenzene
-Toluene-d8+
-Chlorobenzene-d5
4-Bromofluorobenzene+
/var/chem/gcms/me.i/E011608I.b/eica166.d

Data File: /var/chem/gcms/me.i/E011608I.b/eica167.d
Report Date: 25-Jan-2008 08:55

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/me.i/E011608I.b/eica167.d
Lab Smp Id: EICAL7 Client Smp ID: STD 16
Inj Date : 16-JAN-2008 16:16
Operator : 7126 Inst ID: me.i
Smp Info : EICAL7,,1,7,,STD 16
Misc Info : E011608I,TO155,,,
Comment :
Method : /var/chem/gcms/me.i/E011608I.b/TO155.m
Meth Date : 25-Jan-2008 08:54 tajh Quant Type: ISTD
Cal Date : 16-JAN-2008 16:16 Cal File: eica167.d
Als bottle: 15 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	default calibration
Vo	200.00000	default sample volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	8.502	8.497	(1.000)	227451	4.00000	4.000
*	2 1,4-Difluorobenzene	114	10.691	10.691	(1.000)	1062132	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.474	15.469	(1.000)	1036071	4.00000	4.000
$	4 1,2-Dichloroethane-d4	67	9.481	9.476	(0.887)	380843	4.00000	4.191
$	5 Toluene-d8	98	13.370	13.370	(0.864)	1219934	4.00000	3.984
$	6 4-Bromofluorobenzene	95	17.131	17.131	(1.107)	1178447	4.00000	4.451
	7 Chlorodifluoromethane	67	3.714	3.720	(0.437)	569800	16.0000	13.81
	8 Propene	41	3.725	3.730	(0.438)	1066454	16.0000	13.68
	9 Dichlorodifluoromethane	85	3.773	3.773	(0.444)	5280489	16.0000	14.09
	10 Chloromethane	52	3.940	3.935	(0.463)	418937	16.0000	12.92(A)
	11 1,2-Dichlorotetrafluoroethane	135	3.945	3.945	(0.464)	2465807	16.0000	14.78(A)
	12 Methanol	31	4.048	4.053	(0.476)	341322	16.0000	13.47
	13 Vinyl Chloride	62	4.091	4.091	(0.481)	1546008	16.0000	14.35(A)
	14 n-Butane	43	4.177	4.177	(0.491)	2104951	16.0000	13.61(A)
	15 1,3-Butadiene	54	4.171	4.171	(0.491)	1074451	16.0000	15.00(A)
	16 Bromomethane	94	4.462	4.462	(0.525)	1465719	16.0000	15.42(A)

Data File: /var/chem/gcms/me.i/E011608I.b/eica167.d
Report Date: 25-Jan-2008 08:55

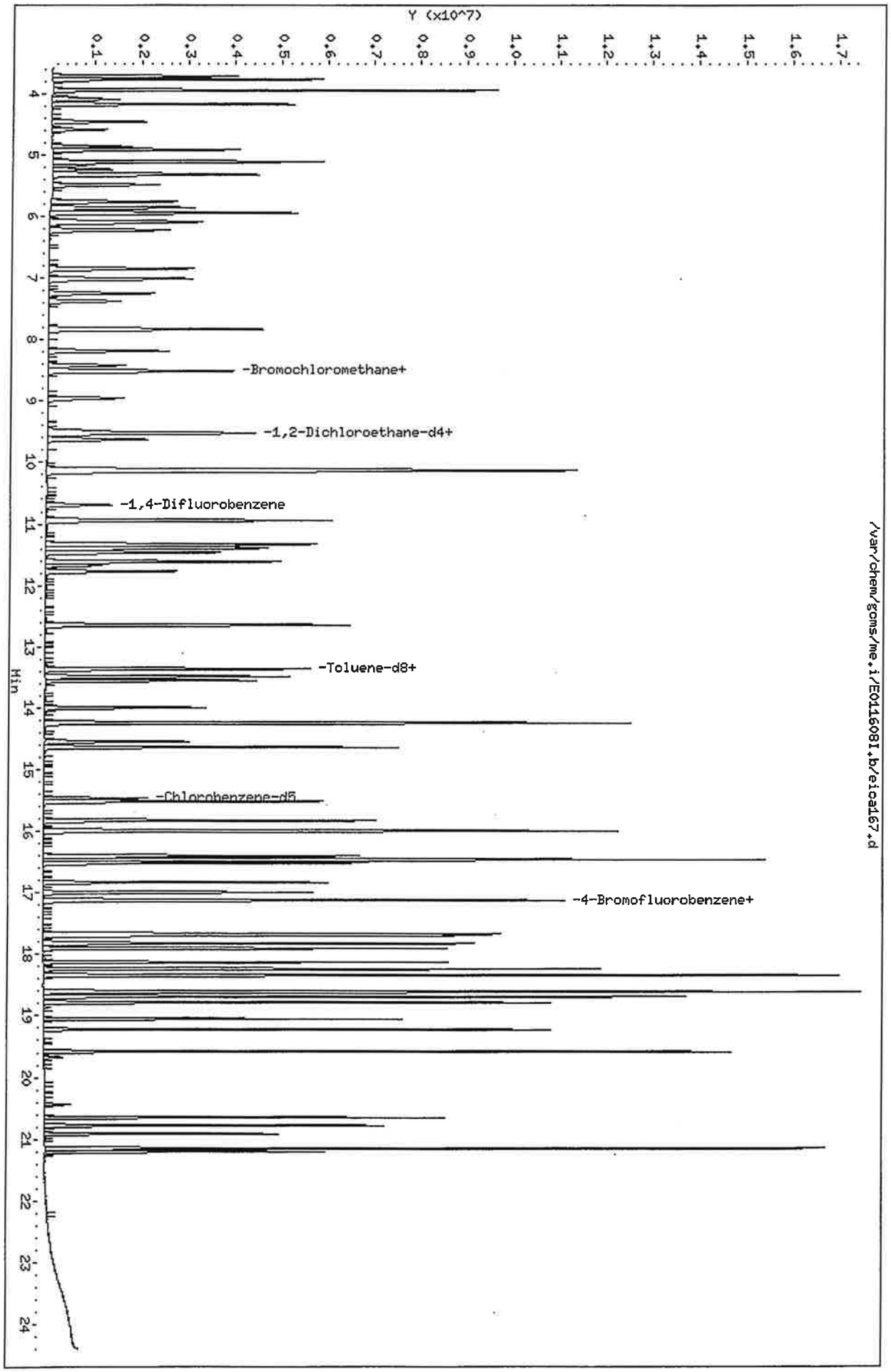
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
17 Chloroethane	64	4.591	4.591	(0.540)	717572	16.0000	15.43(A)
18 Vinyl Bromide	106	4.865	4.871	(0.572)	1338490	16.0000	15.25(A)
19 2-methyl butane	43	4.919	4.925	(0.579)	1657704	16.0000	12.08
20 Trichlorofluoromethane	101	5.118	5.124	(0.602)	4862898	16.0000	13.95(A)
21 Acrolein	56	5.124	5.140	(0.603)	457993	16.0000	14.94
22 Acetonitrile	40	5.177	5.194	(0.609)	491776	16.0000	14.86
23 Acetone	58	5.237	5.263	(0.616)	462793	16.0000	15.05
24 Pentane	72	5.328	5.339	(0.627)	251417	16.0000	14.18(A)
25 Isopropyl Alcohol	45	5.306	5.280	(0.624)	2053710	16.0000	11.92
26 Ethyl Ether	31	5.489	5.511	(0.646)	1341278	16.0000	14.83
27 1,1-Dichloroethene	96	5.764	5.764	(0.678)	918458	16.0000	12.39(A)
28 Acrylonitrile	53	5.861	5.887	(0.689)	679582	16.0000	14.26
29 tert-butanol	59	5.866	5.877	(0.690)	2703542	16.0000	10.17
30 1,1,2-Trichlorotrifluoroethane	101	5.947	5.947	(0.699)	2336426	16.0000	13.91(A)
31 Methylene Chloride	84	6.081	6.092	(0.715)	1003643	16.0000	12.16(A)
32 3-Chloropropene	39	6.103	6.108	(0.718)	1535907	16.0000	16.80(A)
33 Carbon Disulfide	76	6.226	6.237	(0.732)	4092735	16.0000	13.59(A)
35 trans-1,2-Dichloroethene	96	6.850	6.861	(0.806)	1201897	16.0000	14.10(A)
36 Methyl-t-Butyl Ether	73	7.017	7.028	(0.825)	3560484	16.0000	11.22
37 1,1-Dichloroethane	63	7.248	7.249	(0.853)	2622531	16.0000	15.97(A)
38 Vinyl Acetate	43	7.378	7.394	(0.868)	2857348	16.0000	15.88
39 Hexane	56	7.835	7.835	(0.922)	1064296	16.0000	11.80
40 2-Butanone	72	7.813	7.856	(0.919)	457748	16.0000	12.53
41 cis 1,2-Dichloroethene	96	8.190	8.190	(0.963)	1134565	16.0000	15.30(A)
42 Ethyl Acetate	45	8.421	8.437	(0.990)	302391	16.0000	12.67
43 Chloroform	83	8.518	8.518	(1.002)	3418613	16.0000	15.98(A)
44 Tetrahydrofuran	42	8.954	9.002	(1.053)	1148127	16.0000	13.83
45 1,1,1-Trichloroethane	97	9.529	9.524	(1.121)	3845855	16.0000	16.50(A)
46 1,2-Dichloroethane	62	9.626	9.616	(0.900)	2552257	16.0000	14.21(A)
47 Benzene	78	10.121	10.116	(0.947)	3537959	16.0000	13.88(A)
48 1-Butanol	31	10.121	10.164	(0.947)	613662	16.0000	13.98
49 Cyclohexane	69	10.132	10.127	(0.948)	701215	16.0000	13.30(A)
50 Carbon Tetrachloride	117	10.148	10.148	(0.949)	3977749	16.0000	15.94(A)
51 2,2,4-trimethylpentane	57	10.944	10.939	(1.024)	6192694	16.0000	13.74(A)
52 Heptane	43	11.332	11.326	(1.060)	2404886	16.0000	13.57(A)
53 1,2-Dichloropropane	63	11.364	11.364	(1.063)	1323229	16.0000	16.64(A)
54 Trichloroethene	130	11.396	11.396	(1.066)	1285574	16.0000	16.05(A)
55 Dibromomethane	93	11.461	11.466	(1.072)	1773421	16.0000	16.45(A)
56 Bromodichloromethane	83	11.617	11.611	(1.087)	3886376	16.0000	17.10(A)
57 1,4-dioxane	88	11.676	11.708	(1.092)	595441	16.0000	12.40
58 Methyl Methacrylate	41	11.773	11.784	(1.101)	1597276	16.0000	14.39
59 4-Methyl-2-pentanone	43	12.644	12.650	(1.183)	2388303	16.0000	13.62
60 cis-1,3-Dichloropropene	75	12.655	12.660	(1.184)	2294045	16.0000	16.64(A)
61 trans-1,3-Dichloropropene	75	13.365	13.365	(0.864)	2593701	16.0000	15.19(A)
62 Toluene	91	13.489	13.483	(0.872)	3789697	16.0000	12.61(A)
63 1,1,2-Trichloroethane	97	13.553	13.553	(0.876)	1331378	16.0000	15.46(A)
64 2-Hexanone	58	14.000	14.011	(0.905)	1158494	16.0000	14.39

Data File: /var/chem/gcms/me.i/E011608I.b/eica167.d
Report Date: 25-Jan-2008 08:55

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
65 Octane	85	14.237	14.231	(0.920)	1493917	16.0000	14.52(A)
66 Dibromochloromethane	129	14.247	14.253	(0.921)	3068021	16.0000	17.12(A)
67 1,2-Dibromoethane	107	14.549	14.549	(0.940)	2167640	16.0000	13.85(A)
68 Tetrachloroethene	129	14.640	14.635	(0.946)	1477955	16.0000	16.18(A)
69 Chlorobenzene	112	15.522	15.522	(1.003)	2818188	16.0000	15.59(A)
70 Ethylbenzene	91	15.829	15.829	(1.023)	5212358	16.0000	12.64(A)
71 m&p-Xylene	91	15.996	15.996	(1.034)	8610052	32.0000	27.60(A)
72 Bromoform	173	16.405	16.405	(1.060)	3260554	16.0000	17.28(A)
73 Nonane	57	16.464	16.464	(1.064)	2966014	16.0000	13.24(A)
74 Styrene	104	16.453	16.458	(1.063)	2953317	16.0000	14.30(A)
75 o-Xylene	91	16.517	16.518	(1.067)	4346567	16.0000	12.25(A)
76 1,1,2,2-Tetrachloroethane	83	16.830	16.830	(1.088)	3014340	16.0000	14.64(A)
77 1,2,3-Trichloropropane	110	16.996	16.986	(1.098)	844678	16.0000	14.71(A)
78 Cumene	105	17.120	17.120	(1.106)	5477900	16.0000	11.99
80 n-Propylbenzene	120	17.669	17.663	(1.142)	1312550	16.0000	13.00(A)
82 2-chlorotoluene	126	17.696	17.690	(1.144)	1185508	16.0000	15.44(A)
83 4-Ethyltoluene	105	17.825	17.819	(1.152)	5404964	16.0000	11.06
84 1,3,5-Trimethylbenzene	120	17.905	17.905	(1.157)	1825913	16.0000	12.33(A)
85 Alpha-Methylstyrene	118	18.131	18.131	(1.172)	2018886	16.0000	16.23(A)
87 Decane	57	18.239	18.234	(1.179)	3406148	16.0000	13.09(A)
88 Tert-butylbenzene	119	18.336	18.336	(1.185)	4614906	16.0000	14.53
89 1,2,4-Trimethylbenzene	105	18.347	18.347	(1.186)	4655270	16.0000	12.86(A)
90 sec-butylbenzene	105	18.616	18.610	(1.203)	6444510	16.0000	12.81(A)
91 1,3-Dichlorobenzene	146	18.605	18.599	(1.202)	2818264	16.0000	15.35(A)
92 Benzyl Chloride	91	18.685	18.680	(1.208)	4815385	16.0000	15.29(A)
93 1,4-Dichlorobenzene	146	18.691	18.691	(1.208)	2685366	16.0000	14.94(A)
94 p-Cymene	119	18.782	18.782	(1.214)	4896477	16.0000	12.33(A)
96 1,2-Dichlorobenzene	146	19.057	19.051	(1.232)	2366975	16.0000	14.10(A)
97 n-butylbenzene	91	19.223	19.223	(1.242)	5196631	16.0000	11.91
98 Undecane	57	19.578	19.579	(1.265)	3753556	16.0000	13.95(A)
101 Dodecane	57	20.649	20.649	(1.334)	2210615	16.0000	12.89(A)
102 1,2,4-Trichlorobenzene	180	20.778	20.778	(1.343)	1804371	16.0000	12.98(A)
103 Napthalene	128	20.913	20.913	(1.351)	2967583	16.0000	12.39(A)
104 Hexachlorobutadiene	225	21.155	21.149	(1.367)	3172163	16.0000	14.60(A)
105 1,2,3-trichlorobenzene	180	21.203	21.203	(1.370)	1559229	16.0000	12.92

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.


Data File: /var/chem/gcms/me.i/E011608I.b/eica167.d
Date : 16-JAN-2008 16:16
Client ID: STD 16
Sample Info: EICAL7,,1,7,,STD 16
Purge Volume: 200.0
Column phase: HP-5
Instrument: me.i
Operator: 7126
Column diameter: 0.32
Y (x10^7)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
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17
18
19
20
21
22
23
24
Min
-Bromochloromethane+
-1,2-Dichloroethane-d4+
-1,4-Difluorobenzene
-Toluene-d8+
-Chlorobenzene-d5
-4-Bromofluorobenzene+
/var/chem/gcms/me.i/E011608I.b/eica167.d

Data File: /var/chem/gcms/me.i/E011608I.b/eica168.d
Report Date: 25-Jan-2008 08:55

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/me.i/E011608I.b/eica168.d
Lab Smp Id: blank Client Smp ID: BLANK
Inj Date : 17-JAN-2008 08:23
Operator : 7126 Inst ID: me.i
Smp Info : blank,,1,8,,BLANK
Misc Info : E011508,TO155,,,
Comment :
Method : /var/chem/gcms/me.i/E011608I.b/TO155.m
Meth Date : 25-Jan-2008 08:54 tajh Quant Type: ISTD
Cal Date : 17-JAN-2008 08:23 Cal File: eica168.d
Als bottle: 14 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	default calibration
Vo	200.00000	default sample volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	8.497	8.497	(1.000)	273061	4.00000	4.000
*	2 1,4-Difluorobenzene	114	10.691	10.691	(1.000)	1250441	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.468	15.469	(1.000)	1145752	4.00000	4.000
$	4 1,2-Dichloroethane-d4	67	9.481	9.476	(0.887)	453876	4.00000	4.243
$	5 Toluene-d8	98	13.370	13.370	(0.864)	1423099	4.00000	4.202
$	6 4-Bromofluorobenzene	95	17.131	17.131	(1.107)	1240202	4.00000	4.236
	7 Chlorodifluoromethane	67	3.714	3.720	(0.437)	888042	24.0000	17.92
	8 Propene	41	3.725	3.730	(0.438)	1856117	24.0000	19.83
	9 Dichlorodifluoromethane	85	3.773	3.773	(0.444)	8254626	24.0000	18.34
	10 Chloromethane	52	3.940	3.935	(0.464)	704263	24.0000	18.09(A)
	11 1,2-Dichlorotetrafluoroethane	135	3.945	3.945	(0.464)	4023434	24.0000	20.09(A)
	12 Methanol	31	4.048	4.053	(0.476)	599393	24.0000	19.70
	13 Vinyl Chloride	62	4.091	4.091	(0.481)	2571354	24.0000	19.88(A)
	14 n-Butane	43	4.177	4.177	(0.492)	3487970	24.0000	18.78(A)
	15 1,3-Butadiene	54	4.171	4.171	(0.491)	1779878	24.0000	20.70(A)
	16 Bromomethane	94	4.462	4.462	(0.525)	2376396	24.0000	20.82(A)

Data File: /var/chem/gcms/me.i/E011608I.b/eica168.d
Report Date: 25-Jan-2008 08:55

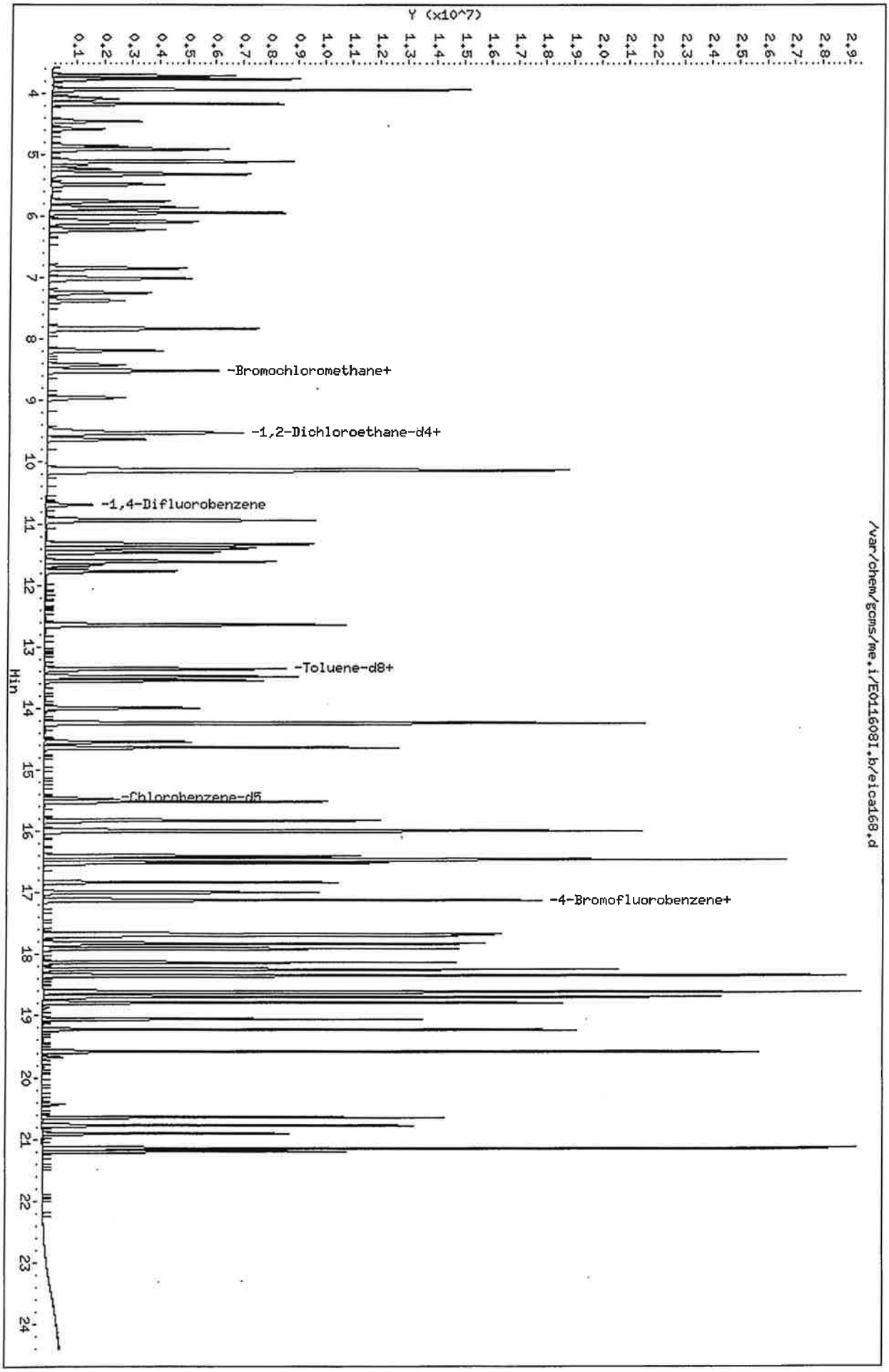
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
17 Chloroethane	64	4.591	4.591	(0.540)	1170326	24.0000	20.96(A)
18 Vinyl Bromide	106	4.865	4.871	(0.573)	2152507	24.0000	20.43(A)
19 2-methyl butane	43	4.919	4.925	(0.579)	2665562	24.0000	16.18
20 Trichlorofluoromethane	101	5.118	5.124	(0.602)	7091079	24.0000	16.94(A)
21 Acrolein	56	5.118	5.140	(0.602)	846861	24.0000	23.02
22 Acetonitrile	40	5.177	5.194	(0.609)	861322	24.0000	21.67
23 Acetone	58	5.237	5.263	(0.616)	808293	24.0000	21.90
24 Pentane	72	5.328	5.339	(0.627)	391350	24.0000	18.38(A)
25 Isopropyl Alcohol	45	5.306	5.280	(0.625)	3483731	24.0000	16.85
26 Ethyl Ether	31	5.489	5.511	(0.646)	2400509	24.0000	22.10
27 1,1-Dichloroethene	96	5.764	5.764	(0.678)	1480720	24.0000	16.64(A)
28 Acrylonitrile	53	5.861	5.887	(0.690)	1264055	24.0000	22.09
29 tert-butanol	59	5.866	5.877	(0.690)	4603258	24.0000	14.42
30 1,1,2-Trichlorotrifluoroethane	101	5.947	5.947	(0.700)	3786370	24.0000	18.78(A)
31 Methylene Chloride	84	6.081	6.092	(0.716)	1651173	24.0000	16.66(A)
32 3-Chloropropene	39	6.103	6.108	(0.718)	2474049	24.0000	22.54(A)
33 Carbon Disulfide	76	6.226	6.237	(0.733)	6610782	24.0000	18.28(A)
35 trans-1,2-Dichloroethene	96	6.850	6.861	(0.806)	1964192	24.0000	19.19(A)
36 Methyl-t-Butyl Ether	73	7.012	7.028	(0.825)	6001784	24.0000	15.75
37 1,1-Dichloroethane	63	7.248	7.249	(0.853)	4345022	24.0000	22.04(A)
38 Vinyl Acetate	43	7.372	7.394	(0.868)	5144096	24.0000	23.81
39 Hexane	56	7.835	7.835	(0.922)	1743173	24.0000	16.10(A)
40 2-Butanone	72	7.813	7.856	(0.920)	800987	24.0000	18.26
41 cis 1,2-Dichloroethene	96	8.190	8.190	(0.964)	1850860	24.0000	20.79(A)
42 Ethyl Acetate	45	8.421	8.437	(0.991)	530439	24.0000	18.52
43 Chloroform	83	8.518	8.518	(1.003)	5429171	24.0000	21.14(A)
44 Tetrahydrofuran	42	8.954	9.002	(1.054)	1986636	24.0000	19.94
45 1,1,1-Trichloroethane	97	9.524	9.524	(1.121)	6033682	24.0000	21.56(A)
46 1,2-Dichloroethane	62	9.626	9.616	(0.900)	4220660	24.0000	19.96(A)
47 Benzene	78	10.121	10.116	(0.947)	6333021	24.0000	21.10(A)
48 1-Butanol	31	10.121	10.164	(0.947)	1058397	24.0000	20.48
49 Cyclohexane	69	10.132	10.127	(0.948)	1153276	24.0000	18.58(A)
50 Carbon Tetrachloride	117	10.143	10.148	(0.949)	6222184	24.0000	21.18(A)
51 2,2,4-trimethylpentane	57	10.944	10.939	(1.024)	9957907	24.0000	18.77(A)
52 Heptane	43	11.332	11.326	(1.060)	3965932	24.0000	19.01(A)
53 1,2-Dichloropropane	63	11.364	11.364	(1.063)	2301294	24.0000	24.58(A)
54 Trichloroethene	130	11.396	11.396	(1.066)	2070369	24.0000	21.95(A)
55 Dibromomethane	93	11.461	11.466	(1.072)	2924712	24.0000	23.04(A)
56 Bromodichloromethane	83	11.617	11.611	(1.087)	6410520	24.0000	23.96(A)
57 1,4-dioxane	88	11.676	11.708	(1.092)	991123	24.0000	17.53
58 Methyl Methacrylate	41	11.773	11.784	(1.101)	2755822	24.0000	21.08
59 4-Methyl-2-pentanone	43	12.644	12.650	(1.183)	3963120	24.0000	19.20
60 cis-1,3-Dichloropropene	75	12.650	12.660	(1.183)	3851951	24.0000	23.74(A)
61 trans-1,3-Dichloropropene	75	13.365	13.365	(0.864)	4306290	24.0000	22.81(A)
62 Toluene	91	13.489	13.483	(0.872)	6603974	24.0000	19.87(A)
63 1,1,2-Trichloroethane	97	13.559	13.553	(0.877)	2300994	24.0000	24.17(A)
64 2-Hexanone	58	14.000	14.011	(0.905)	1922650	24.0000	21.60

Data File: /var/chem/gcms/me.i/E011608I.b/eica168.d
Report Date: 25-Jan-2008 08:55

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	ON-COL (ppb(v/v))
65	Octane	85	14.237	14.231	(0.920)	2659491	24.0000	23.38(A)
66	Dibromochloromethane	129	14.247	14.253	(0.921)	5296862	24.0000	26.73(A)
67	1,2-Dibromoethane	107	14.549	14.549	(0.941)	3671969	24.0000	21.22(A)
68	Tetrachloroethene	129	14.640	14.635	(0.946)	2513505	24.0000	24.88(A)
69	Chlorobenzene	112	15.517	15.522	(1.003)	4850247	24.0000	24.26(A)
70	Ethylbenzene	91	15.829	15.829	(1.023)	9003069	24.0000	19.73(A)
71	m&p-Xylene	91	15.996	15.996	(1.034)	14790346	48.0000	42.87(A)
72	Bromoform	173	16.405	16.405	(1.060)	5556875	24.0000	26.63(A)
73	Nonane	57	16.464	16.464	(1.064)	5125808	24.0000	20.70(A)
74	Styrene	104	16.453	16.458	(1.064)	5372438	24.0000	23.52(A)
75	o-Xylene	91	16.518	16.518	(1.068)	7629455	24.0000	19.45(A)
76	1,1,2,2-Tetrachloroethane	83	16.830	16.830	(1.088)	5233628	24.0000	22.99(A)
77	1,2,3-Trichloropropane	110	16.996	16.986	(1.099)	1427662	24.0000	22.48(A)
78	Cumene	105	17.120	17.120	(1.107)	9544717	24.0000	18.89(A)
80	n-Propylbenzene	120	17.669	17.663	(1.142)	2360772	24.0000	21.15(A)
82	2-chlorotoluene	126	17.696	17.690	(1.144)	2113567	24.0000	24.89(A)
83	4-Ethyltoluene	105	17.825	17.819	(1.152)	9239904	24.0000	17.10(A)
84	1,3,5-Trimethylbenzene	120	17.905	17.905	(1.158)	3256144	24.0000	19.89(A)
85	Alpha-Methylstyrene	118	18.131	18.131	(1.172)	3590645	24.0000	26.10(A)
87	Decane	57	18.239	18.234	(1.179)	5849304	24.0000	20.33(A)
88	Tert-butylbenzene	119	18.336	18.336	(1.185)	8086451	24.0000	23.02
89	1,2,4-Trimethylbenzene	105	18.347	18.347	(1.186)	8055626	24.0000	20.12(A)
90	sec-butylbenzene	105	18.616	18.610	(1.203)	10956147	24.0000	19.70(A)
91	1,3-Dichlorobenzene	146	18.605	18.599	(1.203)	5064559	24.0000	24.95(A)
92	Benzyl Chloride	91	18.685	18.680	(1.208)	8270995	24.0000	23.75(A)
93	1,4-Dichlorobenzene	146	18.691	18.691	(1.208)	4853932	24.0000	24.41(A)
94	p-Cymene	119	18.782	18.782	(1.214)	8471371	24.0000	19.29(A)
96	1,2-Dichlorobenzene	146	19.057	19.051	(1.232)	4235176	24.0000	22.82(A)
97	n-butylbenzene	91	19.223	19.223	(1.243)	9034150	24.0000	18.72(A)
98	Undecane	57	19.578	19.579	(1.266)	6614292	24.0000	22.23(A)
101	Dodecane	57	20.649	20.649	(1.335)	3695686	24.0000	19.49(A)
102	1,2,4-Trichlorobenzene	180	20.778	20.778	(1.343)	3383088	24.0000	22.00(A)
103	Napthalene	128	20.913	20.913	(1.352)	5202849	24.0000	19.64(A)
104	Hexachlorobutadiene	225	21.149	21.149	(1.367)	5650939	24.0000	23.52(A)
105	1,2,3-trichlorobenzene	180	21.203	21.203	(1.371)	2903991	24.0000	21.75

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.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Date : 17-JAN-2008 08:23
Client ID: BLANK
Sample Info: blank,,1,8,,BLANK
Purge Volume: 200.0
Column phase: HP-5
Instrument: me.i
Operator: 7126
Column diameter: 0.32
Y (x10^7)
-Bromochloromethane+
-1,2-Dichloroethane-d4+
-1,4-Difluorobenzene
-Toluene-d8+
-Chlorobenzene-d5
-4-Bromofluorobenzene+
Min
/var/chem/gcms/me.i/E011608I.b/eica168.d

Data File: /var/chem/gcms/me.i/E011608I.b/eicva16.d
Report Date: 25-Jan-2008 09:03

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/me.i/E011608I.b/eicva16.d
Lab Smp Id: ICV Client Smp ID: ICV
Inj Date : 16-JAN-2008 20:09
Operator : 7126 Inst ID: me.i
Smp Info : ICV,,3,,,ICV
Misc Info : E011608I,TO155,,,
Comment :
Method : /var/chem/gcms/me.i/E011608I.b/TO155.m
Meth Date : 25-Jan-2008 09:00 tajh Quant Type: ISTD
Cal Date : 16-JAN-2008 18:51 Cal File: eica169r.d
Als bottle: 14 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	default calibration
Vo	200.00000	default sample volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	8.497	8.497	(1.000)	172677	4.00000	4.000
*	2 1,4-Difluorobenzene	114	10.691	10.691	(1.000)	802018	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.469	15.469	(1.000)	764158	4.00000	4.000
$	4 1,2-Dichloroethane-d4	67	9.476	9.476	(0.886)	291067	4.24212	10.60
$	5 Toluene-d8	98	13.370	13.370	(0.864)	898897	3.97979	9.949
$	6 4-Bromofluorobenzene	95	17.125	17.131	(1.107)	856779	4.38733	10.97
	7 Chlorodifluoromethane	67	3.714	3.720	(0.437)	136536	4.35817	10.90
	8 Propene	41	3.725	3.730	(0.438)	308673	5.21508	13.04(R)
	9 Dichlorodifluoromethane	85	3.768	3.773	(0.443)	1440879	5.06312	12.66
	10 Chloromethane	52	3.935	3.935	(0.463)	112845	4.58353	11.46
	11 1,2-Dichlorotetrafluoroethane	135	3.945	3.945	(0.464)	553397	4.36960	10.92
	12 Methanol	31	4.048	4.053	(0.476)	81648	4.24318	10.61
	13 Vinyl Chloride	62	4.091	4.091	(0.481)	384067	4.69546	11.74
	14 n-Butane	43	4.171	4.177	(0.491)	528804	4.50286	11.26
	15 1,3-Butadiene	54	4.171	4.171	(0.491)	262327	4.82530	12.06

Data File: /var/chem/gcms/me.i/E011608I.b/eicva16.d
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Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
16 Bromomethane	94	4.462	4.462	(0.525)	328971	4.55831	11.40
17 Chloroethane	64	4.591	4.591	(0.540)	150999	4.27624	10.69
18 Vinyl Bromide	106	4.860	4.871	(0.572)	327592	4.91608	12.29
19 2-methyl butane	43	4.919	4.925	(0.579)	383803	3.68344	9.208
20 Trichlorofluoromethane	101	5.113	5.124	(0.602)	1120678	4.23420	10.58
21 Acrolein	56	5.124	5.140	(0.603)	81224	3.51170	8.779
22 Acetonitrile	40	5.177	5.194	(0.609)	105857	4.21225	10.53
23 Acetone	58	5.237	5.263	(0.616)	106274	4.55295	11.38
24 Pentane	72	5.328	5.339	(0.627)	55577	4.12896	10.32
25 Isopropyl Alcohol	45	5.301	5.280	(0.624)	642216	4.91221	12.28
26 Ethyl Ether	31	5.489	5.511	(0.646)	264850	3.85639	9.641
27 1,1-Dichloroethene	96	5.764	5.764	(0.678)	260415	4.62873	11.57
28 Acrylonitrile	53	5.861	5.887	(0.690)	142965	3.95077	9.877
29 tert-butanol	59	5.861	5.877	(0.690)	824813	4.08680	10.22
30 1,1,2-Trichlorotrifluoroethane	101	5.941	5.947	(0.699)	611944	4.79996	12.00
31 Methylene Chloride	84	6.081	6.092	(0.716)	226388	3.61320	9.033
32 3-Chloropropene	39	6.103	6.108	(0.718)	271918	3.91807	9.795
33 Carbon Disulfide	76	6.226	6.237	(0.733)	960903	4.20199	10.50
35 trans-1,2-Dichloroethene	96	6.845	6.861	(0.806)	270313	4.17650	10.44
36 Methyl-t-Butyl Ether	73	7.012	7.028	(0.825)	819198	3.23838	8.096
37 1,1-Dichloroethane	63	7.248	7.249	(0.853)	493857	3.96179	9.904
38 Vinyl Acetate	43	7.372	7.394	(0.868)	601232	4.40035	11.00
39 Hexane	56	7.835	7.835	(0.922)	254107	3.71238	9.281
40 2-Butanone	72	7.813	7.856	(0.920)	115202	4.15367	10.38
41 cis 1,2-Dichloroethene	96	8.190	8.190	(0.964)	224759	3.99156	9.979
42 Ethyl Acetate	45	8.421	8.437	(0.991)	74179	4.09474	10.24
43 Chloroform	83	8.513	8.518	(1.002)	661380	4.07204	10.18
44 Tetrahydrofuran	42	8.959	9.002	(1.054)	256414	4.06953	10.17
45 1,1,1-Trichloroethane	97	9.524	9.524	(1.121)	744581	4.20698	10.52
46 1,2-Dichloroethane	62	9.621	9.616	(0.900)	474382	3.49774	8.744
47 Benzene	78	10.116	10.116	(0.946)	635845	3.30351	8.259
48 1-Butanol	31	10.116	10.164	(0.946)	177958	5.36865	13.42(R)
49 Cyclohexane	69	10.127	10.127	(0.947)	157908	3.96720	9.918
50 Carbon Tetrachloride	117	10.137	10.148	(0.948)	951096	5.04664	12.62
51 2,2,4-trimethylpentane	57	10.939	10.939	(1.023)	1244062	3.65642	9.141
52 Heptane	43	11.326	11.326	(1.059)	517722	3.86836	9.671
53 1,2-Dichloropropane	63	11.358	11.364	(1.062)	238957	3.97976	9.949
54 Trichloroethene	130	11.396	11.396	(1.066)	279075	4.61378	11.53
55 Dibromomethane	93	11.461	11.466	(1.072)	312037	3.83308	9.583
56 Bromodichloromethane	83	11.611	11.611	(1.086)	691474	4.02931	10.07
57 1,4-dioxane	88	11.671	11.708	(1.092)	160112	4.41499	11.04
58 Methyl Methacrylate	41	11.773	11.784	(1.101)	372444	4.44245	11.11
59 4-Methyl-2-pentanone	43	12.639	12.650	(1.182)	672541	5.07950	12.70
60 cis-1,3-Dichloropropene	75	12.650	12.660	(1.183)	417513	4.01109	10.03
61 trans-1,3-Dichloropropene	75	13.360	13.365	(0.864)	486108	3.86010	9.650
62 Toluene	91	13.483	13.483	(0.872)	689006	3.10832	7.771
63 1,1,2-Trichloroethane	97	13.553	13.553	(0.876)	234120	3.68735	9.218

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Report Date: 25-Jan-2008 09:03

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
64	2-Hexanone	58	13.994	14.011	(0.905)	309400	5.12673	12.82
65	Octane	85	14.237	14.231	(0.920)	246794	3.25236	8.131
66	Dibromochloromethane	129	14.247	14.253	(0.921)	509329	3.85354	9.634
67	1,2-Dibromoethane	107	14.543	14.549	(0.940)	389228	3.37204	8.430
68	Tetrachloroethene	129	14.635	14.635	(0.946)	274649	4.07566	10.19
69	Chlorobenzene	112	15.517	15.522	(1.003)	501635	3.76234	9.406
70	Ethylbenzene	91	15.824	15.829	(1.023)	1037469	3.40975	8.524
71	m&p-Xylene	91	15.990	15.996	(1.034)	1721589	7.48193	18.70
72	Bromoform	173	16.399	16.405	(1.060)	565345	4.06242	10.16
73	Nonane	57	16.458	16.464	(1.064)	530841	3.21390	8.035
74	Styrene	104	16.453	16.458	(1.064)	541205	3.55203	8.880
75	o-Xylene	91	16.512	16.518	(1.067)	897062	3.42829	8.571
76	1,1,2,2-Tetrachloroethane	83	16.830	16.830	(1.088)	672553	4.42921	11.07
77	1,2,3-Trichloropropane	110	16.991	16.986	(1.098)	180919	4.27135	10.68
78	Cumene	105	17.115	17.120	(1.106)	1137755	3.37593	8.440
80	n-Propylbenzene	120	17.663	17.663	(1.142)	262812	3.53049	8.826
82	2-chlorotoluene	126	17.690	17.690	(1.144)	226599	4.00124	10.00
83	4-Ethyltoluene	105	17.825	17.819	(1.152)	1164990	3.57227	8.931
84	1,3,5-Trimethylbenzene	120	17.900	17.905	(1.157)	405914	3.71778	9.294
85	Alpha-Methylstyrene	118	18.126	18.131	(1.172)	410190	4.47094	11.18
87	Decane	57	18.234	18.234	(1.179)	705145	3.67400	9.185
88	Tert-butylbenzene	119	18.336	18.336	(1.185)	981815	4.19106	10.48
89	1,2,4-Trimethylbenzene	105	18.341	18.347	(1.186)	1017516	3.81107	9.528
90	sec-butylbenzene	105	18.610	18.610	(1.203)	1356554	3.65644	9.141
91	1,3-Dichlorobenzene	146	18.599	18.599	(1.202)	533460	3.94038	9.851
92	Benzyl Chloride	91	18.680	18.680	(1.208)	1051626	4.52849	11.32
93	1,4-Dichlorobenzene	146	18.691	18.691	(1.208)	517732	3.90456	9.761
94	p-Cymene	119	18.782	18.782	(1.214)	1108397	3.78519	9.463
96	1,2-Dichlorobenzene	146	19.051	19.051	(1.232)	487782	3.94114	9.853
97	n-butylbenzene	91	19.223	19.223	(1.243)	1214030	3.77139	9.428
98	Undecane	57	19.573	19.579	(1.265)	800990	4.03611	10.09
101	Dodecane	57	20.644	20.649	(1.335)	913948	7.78643	19.47(R)
102	1,2,4-Trichlorobenzene	180	20.778	20.778	(1.343)	519836	5.06947	12.67
103	Napthalene	128	20.913	20.913	(1.352)	1022544	5.94328	14.86(R)
104	Hexachlorobutadiene	225	21.149	21.149	(1.367)	683108	4.26329	10.66
105	1,2,3-trichlorobenzene	180	21.203	21.203	(1.371)	535113	6.00948	15.02(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /var/chem/gcms/me.i/E011608I.b/eicva16.d
Report Date: 25-Jan-2008 09:03

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: me.i
Lab File ID: eicva16.d
Lab Smp Id: ICV
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/me.i/E011608I.b/TO155.m
Misc Info: E011608I,TO155,,,

Calibration Date: 16-JAN-2008
Calibration Time: 15:00
Client Smp ID: ICV
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	211790	126015	297565	172677	-18.47
2 1,4-Difluorobenze	1109893	660386	1559400	802018	-27.74
3 Chlorobenzene-d5	1173143	698020	1648266	764158	-34.86

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.50	8.17	8.83	8.50	-0.06
2 1,4-Difluorobenze	10.70	10.37	11.03	10.69	-0.05
3 Chlorobenzene-d5	15.47	15.14	15.80	15.47	-0.04

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /var/chem/gcms/me.i/E011608I.b/eicva16.d
Report Date: 25-Jan-2008 09:03

TestAmerica Knoxville

RECOVERY REPORT

Client Name:
Sample Matrix: GAS
Lab Smp Id: ICV
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: all.sub
Method File: /var/chem/gcms/me.i/E011608I.b/TO155.m
Misc Info: E011608I,TO155,,,

Client SDG: E011608I
Fraction: OTHER
Client Smp ID: ICV
Operator: 7126
SampleType: LCS
Quant Type: ISTD

SPIKE	COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
7	Chlorodifluorometh	10.00	10.90	108.95	70-130
8	Propene	10.00	13.04	130.38*	70-130
9	Dichlorodifluorome	10.00	12.66	126.58	70-130
10	Chloromethane	10.00	11.46	114.59	70-130
11	1,2-Dichlorotetraf	10.00	10.92	109.24	70-130
12	Methanol	10.00	10.61	106.08	70-130
13	Vinyl Chloride	10.00	11.74	117.39	70-130
14	n-Butane	10.00	11.26	112.57	70-130
15	1,3-Butadiene	10.00	12.06	120.63	70-130
16	Bromomethane	10.00	11.40	113.96	70-130
17	Chloroethane	10.00	10.69	106.91	70-130
18	Vinyl Bromide	10.00	12.29	122.90	70-130
19	2-methyl butane	10.00	9.208	92.09	70-130
20	Trichlorofluoromet	10.00	10.58	105.85	70-130
21	Acrolein	10.00	8.779	87.79	70-130
22	Acetonitrile	10.00	10.53	105.31	70-130
23	Acetone	10.00	11.38	113.82	70-130
24	Pentane	10.00	10.32	103.22	70-130
25	Isopropyl Alcohol	10.00	12.28	122.81	70-130
26	Ethyl Ether	10.00	9.641	96.41	70-130
27	1,1-Dichloroethene	10.00	11.57	115.72	70-130
29	tert-butanol	10.00	10.22	102.17	70-130
28	Acrylonitrile	10.00	9.877	98.77	70-130
30	1,1,2-Trichlorotri	10.00	12.00	120.00	70-130
31	Methylene Chloride	10.00	9.033	90.33	70-130
32	3-Chloropropene	10.00	9.795	97.95	70-130
33	Carbon Disulfide	10.00	10.50	105.05	70-130
34	2,3-Dimethyl butan	10.00	0.000	0.00*	70-130
35	trans-1,2-Dichloro	10.00	10.44	104.41	70-130
36	Methyl-t-Butyl Eth	10.00	8.096	80.96	70-130
37	1,1-Dichloroethane	10.00	9.904	99.04	70-130
38	Vinyl Acetate	10.00	11.00	110.01	70-130
40	2-Butanone	10.00	10.38	103.84	70-130

Data File: /var/chem/gcms/me.i/E011608I.b/eicva16.d
Report Date: 25-Jan-2008 09:03

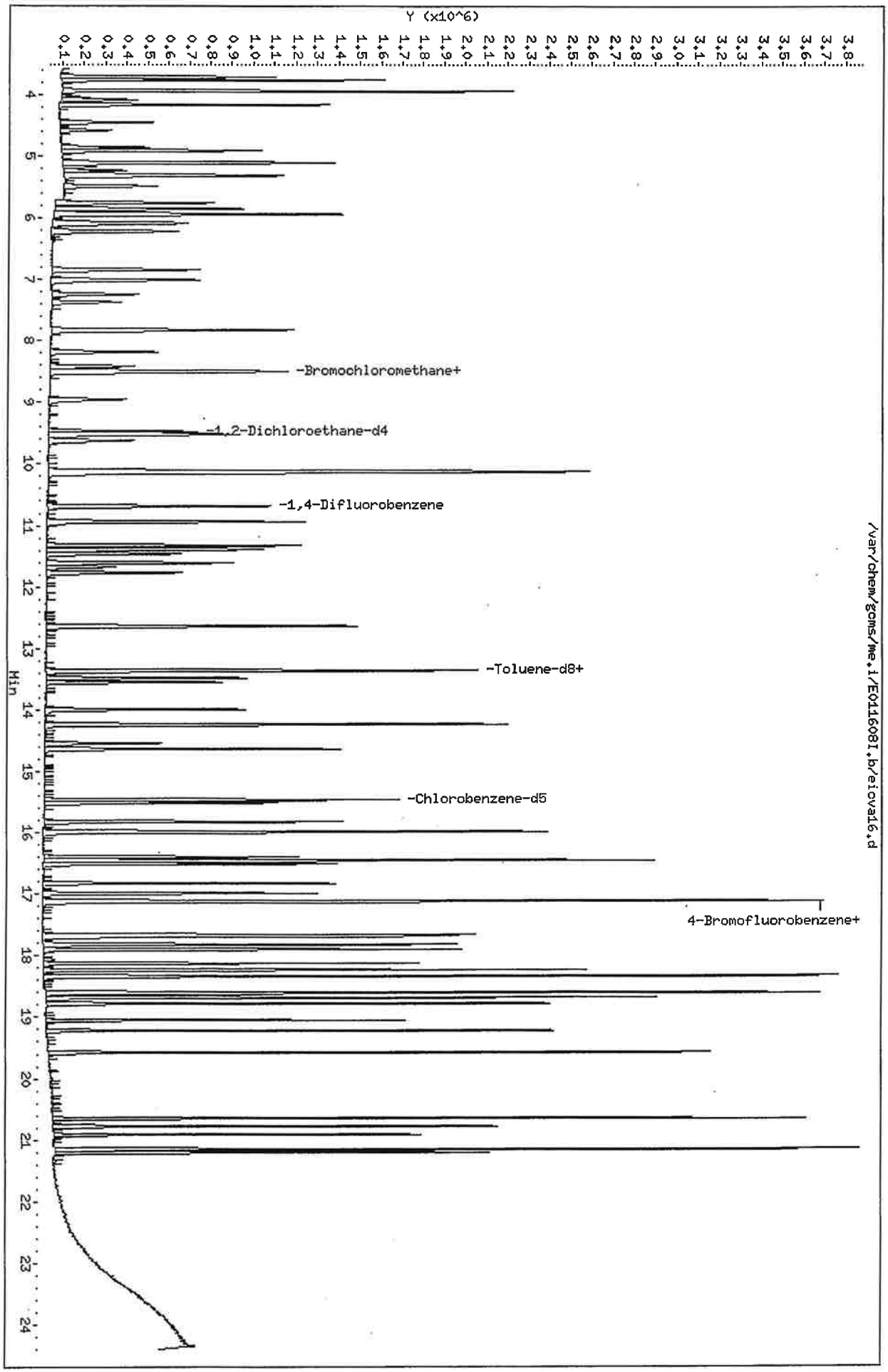
SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
39 Hexane	10.00	9.281	92.81	70-130
41 cis 1,2-Dichloroet	10.00	9.979	99.79	70-130
42 Ethyl Acetate	10.00	10.24	102.37	70-130
43 Chloroform	10.00	10.18	101.80	70-130
44 Tetrahydrofuran	10.00	10.17	101.74	70-130
45 1,1,1-Trichloroeth	10.00	10.52	105.17	70-130
46 1,2-Dichloroethane	10.00	8.744	87.44	70-130
48 1-Butanol	10.00	13.42	134.22*	70-130
47 Benzene	10.00	8.259	82.59	70-130
49 Cyclohexane	10.00	9.918	99.18	70-130
50 Carbon Tetrachlori	10.00	12.62	126.17	70-130
51 2,2,4-trimethylpen	10.00	9.141	91.41	70-130
52 Heptane	10.00	9.671	96.71	70-130
53 1,2-Dichloropropan	10.00	9.949	99.49	70-130
54 Trichloroethene	10.00	11.53	115.34	70-130
55 Dibromomethane	10.00	9.583	95.83	70-130
56 Bromodichlorometha	10.00	10.07	100.73	70-130
57 1,4-dioxane	10.00	11.04	110.37	70-130
58 Methyl Methacrylat	10.00	11.11	111.06	70-130
59 4-Methyl-2-pentano	10.00	12.70	126.99	70-130
60 cis-1,3-Dichloropr	10.00	10.03	100.28	70-130
61 trans-1,3-Dichloro	10.00	9.650	96.50	70-130
62 Toluene	10.00	7.771	77.71	70-130
63 1,1,2-Trichloroeth	10.00	9.218	92.18	70-130
64 2-Hexanone	10.00	12.82	128.17	70-130
65 Octane	10.00	8.131	81.31	70-130
66 Dibromochlorometha	10.00	9.634	96.34	70-130
67 1,2-Dibromoethane	10.00	8.430	84.30	70-130
68 Tetrachloroethene	10.00	10.19	101.89	70-130
69 Chlorobenzene	10.00	9.406	94.06	70-130
70 Ethylbenzene	10.00	8.524	85.24	70-130
71 m&p-Xylene	20.00	18.70	93.52	70-130
73 Nonane	10.00	8.035	80.35	70-130
72 Bromoform	10.00	10.16	101.56	70-130
74 Styrene	10.00	8.880	88.80	70-130
75 o-Xylene	10.00	8.571	85.71	70-130
76 1,1,2,2-Tetrachlor	10.00	11.07	110.73	70-130
77 1,2,3-Trichloropro	10.00	10.68	106.78	70-130
78 Cumene	10.00	8.440	84.40	70-130
79 a-Pinene	10.00	0.000	*	70-130
80 n-Propylbenzene	10.00	8.826	88.26	70-130
81 Camphene	10.00	0.000	0.00*	70-130
82 2-chlorotoluene	10.00	10.00	100.03	70-130
83 4-Ethyltoluene	10.00	8.931	89.31	70-130
84 1,3,5-Trimethylben	10.00	9.294	92.94	70-130
85 Alpha-Methylstyren	10.00	11.18	111.77	70-130
86 b-Pinene	10.00	0.000	0.00*	70-130

Data File: /var/chem/gcms/me.i/E011608I.b/eicva16.d
Report Date: 25-Jan-2008 09:03

SPIKE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
87 Decane	10.00	9.185	91.85	70-130
88 Tert-butylbenzene	10.00	10.48	104.78	70-130
89 1,2,4-Trimethylben	10.00	9.528	95.28	70-130
90 sec-butylbenzene	10.00	9.141	91.41	70-130
91 1,3-Dichlorobenzen	10.00	9.851	98.51	70-130
92 Benzyl Chloride	10.00	11.32	113.21	70-130
93 1,4-Dichlorobenzen	10.00	9.761	97.61	70-130
94 p-Cymene	10.00	9.463	94.63	70-130
95 d-Limonene	10.00	0.000	0.00*	70-130
96 1,2-Dichlorobenzen	10.00	9.853	98.53	70-130
97 n-butylbenzene	10.00	9.428	94.28	70-130
98 Undecane	10.00	10.09	100.90	70-130
100 Camphor	10.00	0.000	0.00*	70-130
99 4-tert-Butyltoluen	10.00	0.000	0.00*	70-130
101 Dodecane	10.00	19.47	*194.66*	70-130
102 1,2,4-Trichloroben	10.00	12.67	126.74	70-130
103 Napthalene	10.00	14.86	*148.58*	70-130
104 Hexachlorobutadien	10.00	10.66	106.58	70-130
105 1,2,3-trichloroben	10.00	15.02	*150.24*	70-130

* OK in E012508 ECCVA15

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 1,2-Dichloroethane	10.00	10.60	106.05	70-130
$ 5 Toluene-d8	10.00	9.949	99.49	70-130
$ 6 4-Bromofluorobenze	10.00	10.97	109.68	70-130


Data File: /var/chem/gcms/me.i/E011608I.b/eiova16.d
Date : 16-JAN-2008 20:09
Client ID: ICV
Sample Info: ICV,,3,,,ICV
Purge Volume: 200.0
Column phase: HP-5
Instrument: me.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
-Bromochloromethane+
-1,2-Dichloroethane-d4
-1,4-Difluorobenzene
-Toluene-d8+
-Chlorobenzene-d5
4-Bromofluorobenzene+
/var/chem/gcms/me.i/E011608I.b/eiova16.d
Min

Data File: /var/chem/gcms/me.i/E012508.b/eccva25.d
Report Date: 25-Jan-2008 11:20

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: me.i
Lab File ID: eccva25.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/me.i/E012508.b/TO155.m

Injection Date: 25-JAN-2008 06:29
Init. Cal. Date(s): 16-JAN-2008 17-JAN-2008
Init. Cal. Times: 12:15 08:23
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF4	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 4 1,2-Dichloroethane-d4	0.34220	0.33344	0.000	2.56228	30.00000	Averaged	
$ 5 Toluene-d8	1.18230	1.16483	0.000	1.47748	30.00000	Averaged	
$ 6 4-Bromofluorobenzene	1.02222	1.02068	0.000	0.15120	30.00000	Averaged	
7 Chlorodifluoromethane	0.72572	0.51540	0.000	28.98044	30.00000	Averaged	
8 Propene	1.37108	1.16630	0.000	14.93556	30.00000	Averaged	
9 Dichlorodifluoromethane	6.59224	6.11890	0.000	7.18017	30.00000	Averaged	
10 Chloromethane	0.57031	0.43721	0.000	23.33714	30.00000	Averaged	
11 1,2-Dichlorotetrafluoroetha	2.93372	2.58748	0.000	11.80216	30.00000	Averaged	
12 Methanol	0.44574	0.45104	0.000	-1.18884	30.00000	Averaged	
13 Vinyl Chloride	1.89478	1.59134	0.000	16.01426	30.00000	Averaged	
14 n-Butane	2.72038	2.15252	0.000	20.87446	30.00000	Averaged	
15 1,3-Butadiene	1.25934	1.02269	0.000	18.79168	30.00000	Averaged	
16 Bromomethane	1.67177	1.52998	0.000	8.48145	30.00000	Averaged	
17 Chloroethane	0.81797	0.71182	0.000	12.97754	30.00000	Averaged	
18 Vinyl Bromide	1.54361	1.49873	0.000	2.90742	30.00000	Averaged	
19 2-methyl butane	2.41367	1.69351	0.000	29.83665	30.00000	Averaged	
20 Trichlorofluoromethane	6.13102	5.13642	0.000	16.22255	30.00000	Averaged	
21 Acrolein	0.53579	0.44440	0.000	17.05789	30.00000	Averaged	
22 Acetonitrile	0.58214	0.55285	0.000	5.03212	30.00000	Averaged	
23 Acetone	0.54070	0.79083	0.000	-46.25876	30.00000	Averaged	<-
24 Pentane	0.31180	0.26546	0.000	14.86356	30.00000	Averaged	
25 Isopropyl Alcohol	3.02850	2.99395	0.000	1.14077	30.00000	Averaged	
26 Ethyl Ether	1.59090	1.53351	0.000	3.60757	30.00000	Averaged	
27 1,1-Dichloroethene	1.30325	1.12242	0.000	13.87577	30.00000	Averaged	
28 Acrylonitrile	0.83825	0.77314	0.000	7.76705	30.00000	Averaged	
29 tert-butanol	4.67515	4.05693	0.000	13.22337	30.00000	Averaged	
30 1,1,2-Trichlorotrifluoroeth	2.95326	2.57330	0.000	12.86583	30.00000	Averaged	
31 Methylene Chloride	1.45140	1.02581	0.000	29.32250	30.00000	Averaged	
32 3-Chloropropene	1.60764	1.30917	0.000	18.56605	30.00000	Averaged	
33 Carbon Disulfide	5.29722	4.56304	0.000	13.85979	30.00000	Averaged	
34 2,3-Dimethyl butane	++++	0.03225	0.000	++++	30.00000	Averaged	<-
35 trans-1,2-Dichloroethene	1.49926	1.36495	0.000	8.95885	30.00000	Averaged	
36 Methyl-t-Butyl Ether	5.85982	4.82515	0.000	17.65702	30.00000	Averaged	
37 1,1-Dichloroethane	2.88758	2.43245	0.000	15.76162	30.00000	Averaged	
38 Vinyl Acetate	3.16503	3.03260	0.000	4.18405	30.00000	Averaged	

Data File: /var/chem/gcms/me.i/E012508.b/eccva25.d
Report Date: 25-Jan-2008 11:20

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: me.i
Lab File ID: eccva25.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/me.i/E012508.b/TO155.m

Injection Date: 25-JAN-2008 06:29
Init. Cal. Date(s): 16-JAN-2008 17-JAN-2008
Init. Cal. Times: 12:15 08:23
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF4	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
39 Hexane	1.58558	1.16697	0.000	26.40108	30.00000	Averaged
40 2-Butanone	0.64247	0.68911	0.000	-7.25954	30.00000	Averaged
41 cis 1,2-Dichloroethene	1.30439	1.13299	0.000	13.14011	30.00000	Averaged
42 Ethyl Acetate	0.41964	0.41997	0.000	-0.07921	30.00000	Averaged
43 Chloroform	3.76241	3.37184	0.000	10.38070	30.00000	Averaged
44 Tetrahydrofuran	1.45956	1.40031	0.000	4.05896	30.00000	Averaged
45 1,1,1-Trichloroethane	4.09985	3.77294	0.000	7.97370	30.00000	Averaged
46 1,2-Dichloroethane	0.67643	0.50803	0.000	24.89439	30.00000	Averaged
47 Benzene	0.95996	0.69466	0.000	27.63697	30.00000	Averaged
48 1-Butanol	0.16532	0.11823	0.000	28.48667	30.00000	Averaged
49 Cyclohexane	0.19852	0.15360	0.000	22.62546	30.00000	Averaged
50 Carbon Tetrachloride	0.93994	0.89010	0.000	5.30224	30.00000	Averaged
51 2,2,4-trimethylpentane	1.69692	1.25218	0.000	26.20867	30.00000	Averaged
52 Heptane	0.66749	0.49078	0.000	26.47453	30.00000	Averaged
53 1,2-Dichloropropane	0.29946	0.26166	0.000	12.62152	30.00000	Averaged
54 Trichloroethene	0.30168	0.30358	0.000	-0.63039	30.00000	Averaged
55 Dibromomethane	0.40601	0.36070	0.000	11.16035	30.00000	Averaged
56 Bromodichloromethane	0.85590	0.78260	0.000	8.56478	30.00000	Averaged
57 1,4-dioxane	0.18087	0.19034	0.000	-5.23363	30.00000	Averaged
58 Methyl Methacrylate	0.41814	0.41519	0.000	0.70608	30.00000	Averaged
59 4-Methyl-2-pentanone	0.66035	0.66797	0.000	-1.15345	30.00000	Averaged
60 cis-1,3-Dichloropropene	0.51915	0.47461	0.000	8.57883	30.00000	Averaged
61 trans-1,3-Dichloropropene	0.65920	0.59331	0.000	9.99555	30.00000	Averaged
62 Toluene	1.16032	0.88706	0.000	23.55003	30.00000	Averaged
63 1,1,2-Trichloroethane	0.33236	0.30981	0.000	6.78564	30.00000	Averaged
64 2-Hexanone	0.31591	0.31646	0.000	-0.17554	30.00000	Averaged
65 Octane	0.39720	0.30456	0.000	23.32377	30.00000	Averaged
66 Dibromochloromethane	0.69186	0.65575	0.000	5.21966	30.00000	Averaged
67 1,2-Dibromoethane	0.60422	0.51749	0.000	14.35367	30.00000	Averaged
68 Tetrachloroethene	0.35275	0.33506	0.000	5.01475	30.00000	Averaged
69 Chlorobenzene	0.69793	0.66230	0.000	5.10546	30.00000	Averaged
70 Ethylbenzene	1.59268	1.32520	0.000	16.79448	30.00000	Averaged
71 m&p-Xylene	1.20446	1.11184	0.000	7.69019	30.00000	Averaged
72 Bromoform	0.72846	0.76279	0.000	-4.71290	30.00000	Averaged
73 Nonane	0.86459	0.64482	0.000	25.41949	30.00000	Averaged

Data File: /var/chem/gcms/me.i/E012508.b/eccva25.d
Report Date: 25-Jan-2008 11:20

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: me.i
Lab File ID: eccva25.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /var/chem/gcms/me.i/E012508.b/TO155.m

Injection Date: 25-JAN-2008 06:29
Init. Cal. Date(s): 16-JAN-2008 17-JAN-2008
Init. Cal. Times: 12:15 08:23
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF4	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
74 Styrene	0.79757	0.68833	0.000	13.69591	30.00000	Averaged	
75 o-Xylene	1.36969	1.17200	0.000	14.43313	30.00000	Averaged	
76 1,1,2,2-Tetrachloroethane	0.79484	0.83531	0.000	-5.09127	30.00000	Averaged	
77 1,2,3-Trichloropropane	0.22172	0.23902	0.000	-7.80325	30.00000	Averaged	
78 Cumene	1.76414	1.51998	0.000	13.84058	30.00000	Averaged	
79 a-Pinene	++++	0.68015	0.000	++++	30.00000	Averaged	<-
80 n-Propylbenzene	0.38967	0.36543	0.000	6.22143	30.00000	Averaged	
81 Camphene	++++	0.06388	0.000	++++	30.00000	Averaged	<-
82 2-chlorotoluene	0.29644	0.30502	0.000	-2.89336	30.00000	Averaged	
83 4-Ethyltoluene	1.70708	1.53115	0.000	10.30624	30.00000	Averaged	
84 1,3,5-Trimethylbenzene	0.57152	0.51974	0.000	9.06065	30.00000	Averaged	
85 Alpha-Methylstyrene	0.48025	0.42448	0.000	11.61200	30.00000	Averaged	
86 b-Pinene	++++	0.01289	0.000	++++	30.00000	Averaged	<-
87 Decane	1.00465	0.82169	0.000	18.21131	30.00000	Averaged	
88 Tert-butylbenzene	1.22627	1.29339	0.000	-5.47395	30.00000	Averaged	
89 1,2,4-Trimethylbenzene	1.39756	1.29066	0.000	7.64929	30.00000	Averaged	
90 sec-butylbenzene	1.94203	1.79745	0.000	7.44497	30.00000	Averaged	
91 1,3-Dichlorobenzene	0.70866	0.70350	0.000	0.72848	30.00000	Averaged	
92 Benzyl Chloride	1.21559	1.24114	0.000	-2.10219	30.00000	Averaged	
93 1,4-Dichlorobenzene	0.69409	0.68559	0.000	1.22397	30.00000	Averaged	
94 p-Cymene	1.53280	1.45222	0.000	5.25715	30.00000	Averaged	
95 d-Limonene	++++	0.32721	0.000	++++	30.00000	Averaged	<-
96 1,2-Dichlorobenzene	0.64786	0.66913	0.000	-3.28268	30.00000	Averaged	
97 n-butylbenzene	1.68502	1.50113	0.000	10.91335	30.00000	Averaged	
98 Undecane	1.03882	0.86243	0.000	16.97997	30.00000	Averaged	
99 4-tert-Butyltoluene	++++	0.00020	0.000	++++	30.00000	Averaged	<-
100 Camphor	++++	0.05672	0.000	++++	30.00000	Averaged	<-
101 Dodecane	0.61441	0.69601	0.000	-13.28090	30.00000	Averaged	
102 1,2,4-Trichlorobenzene	0.53676	0.49186	0.000	8.36559	30.00000	Averaged	
103 Napthalene	0.90060	0.92806	0.000	-3.04902	30.00000	Averaged	
104 Hexachlorobutadiene	0.83873	0.81797	0.000	2.47445	30.00000	Averaged	
105 1,2,3-trichlorobenzene	0.46611	0.51302	0.000	-10.06517	30.00000	Averaged	

OK as ICV
1/25/08
CH

Data File: /var/chem/gcms/me.i/E012508.b/eccva25.d
Report Date: 25-Jan-2008 11:20

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/me.i/E012508.b/eccva25.d
Lab Smp Id: CCV Client Smp ID: CCV
Inj Date : 25-JAN-2008 06:29
Operator : 7126 Inst ID: me.i
Smp Info : CCV,,2,5,,CCV
Misc Info : E012508,TO155,,,
Comment :
Method : /var/chem/gcms/me.i/E012508.b/TO155.m
Meth Date : 25-Jan-2008 11:20 layk Quant Type: ISTD
Cal Date : 16-JAN-2008 18:51 Cal File: eica169r.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	default calibration
Vo	200.00000	default sample volume

Cpnd Variable Local Compound Variable

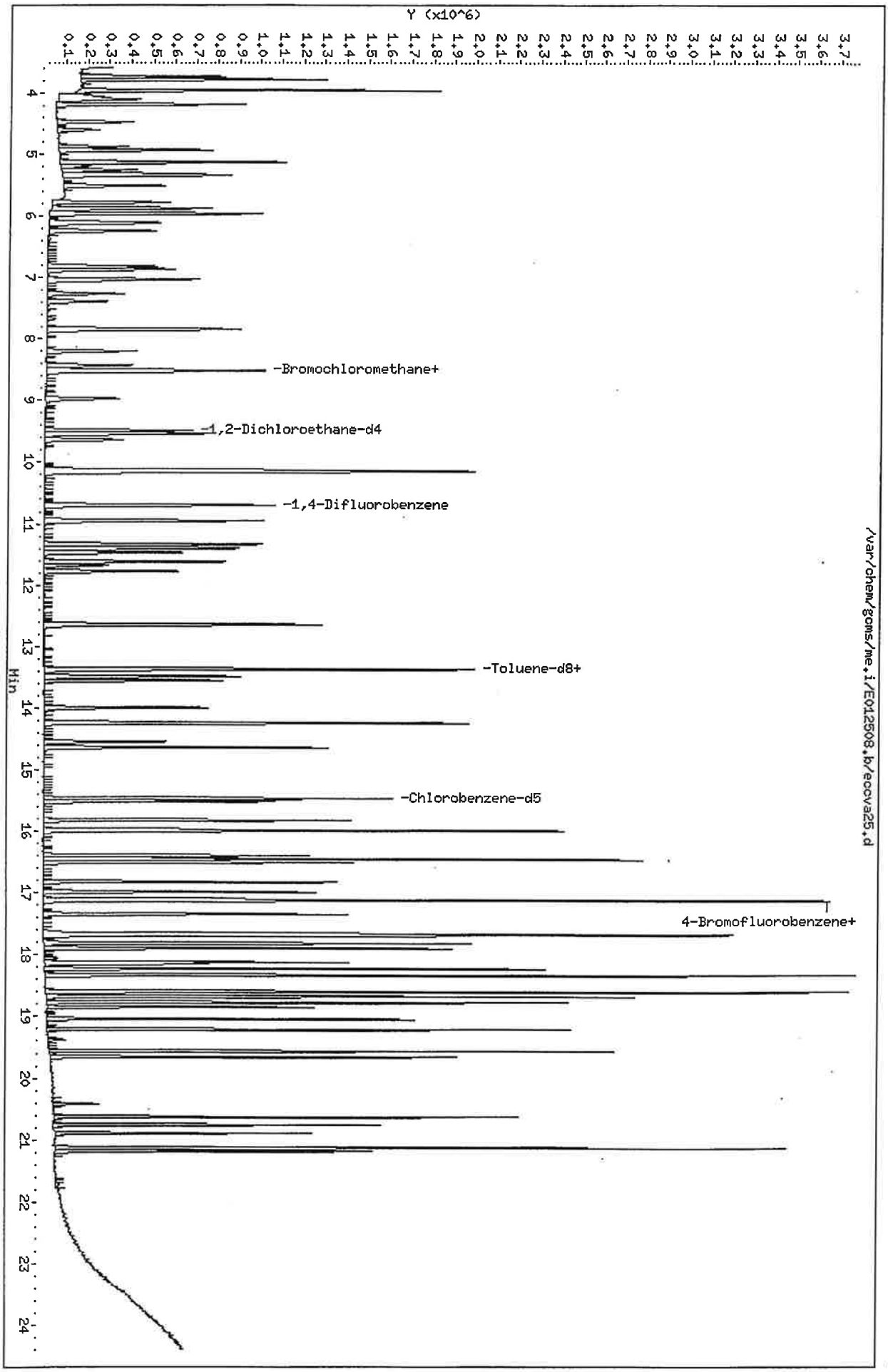
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	8.507	8.507	(1.000)	174151	4.00000	4.000
*	2 1,4-Difluorobenzene	114	10.697	10.697	(1.000)	852904	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.468	15.468	(1.000)	802873	4.00000	4.000
$	4 1,2-Dichloroethane-d4	67	9.486	9.486	(0.887)	284389	4.00000	3.898
$	5 Toluene-d8	98	13.370	13.370	(0.864)	935210	4.00000	3.941
$	6 4-Bromofluorobenzene	95	17.120	17.120	(1.107)	819473	4.00000	3.994
	7 Chlorodifluoromethane	67	3.725	3.725	(0.438)	89758	4.00000	2.841
	8 Propene	41	3.736	3.736	(0.439)	203112	4.00000	3.402
	9 Dichlorodifluoromethane	85	3.784	3.784	(0.445)	1065613	4.00000	3.713
	10 Chloromethane	52	3.945	3.945	(0.464)	76141	4.00000	3.066
	11 1,2-Dichlorotetrafluoroethane	135	3.956	3.956	(0.465)	450612	4.00000	3.528
	12 Methanol	31	4.058	4.058	(0.477)	78549	4.00000	4.048
	13 Vinyl Chloride	62	4.101	4.101	(0.482)	277134	4.00000	3.359
	14 n-Butane	43	4.187	4.187	(0.492)	374863	4.00000	3.165
	15 1,3-Butadiene	54	4.187	4.187	(0.492)	178102	4.00000	3.248

Data File: /var/chem/gcms/me.i/E012508.b/eccva25.d
Report Date: 25-Jan-2008 11:20

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
16 Bromomethane	94	4.473	4.473	(0.526)	266448	4.00000	3.661
17 Chloroethane	64	4.602	4.602	(0.541)	123964	4.00000	3.481
18 Vinyl Bromide	106	4.876	4.876	(0.573)	261006	4.00000	3.884
19 2-methyl butane	43	4.935	4.935	(0.580)	294927	4.00000	2.806
20 Trichlorofluoromethane	101	5.129	5.129	(0.603)	894512	4.00000	3.351
21 Acrolein	56	5.134	5.134	(0.604)	77392	4.00000	3.318
22 Acetonitrile	40	5.188	5.188	(0.610)	96279	4.00000	3.799
23 Acetone	58	5.253	5.253	(0.617)	137723	4.00000	5.850
24 Pentane	72	5.339	5.339	(0.628)	46230	4.00000	3.405
25 Isopropyl Alcohol	45	5.312	5.312	(0.624)	521399	4.00000	3.954
26 Ethyl Ether	31	5.505	5.505	(0.647)	267062	4.00000	3.856
27 1,1-Dichloroethene	96	5.780	5.780	(0.679)	195470	4.00000	3.445
28 Acrylonitrile	53	5.877	5.877	(0.691)	134643	4.00000	3.689
29 tert-butanol	59	5.871	5.871	(0.690)	706519	4.00000	3.471
30 1,1,2-Trichlorotrifluoroethane	101	5.957	5.957	(0.700)	448143	4.00000	3.485
31 Methylene Chloride	84	6.092	6.092	(0.716)	178646	4.00000	2.827
32 3-Chloropropene	39	6.119	6.119	(0.719)	227993	4.00000	3.257
33 Carbon Disulfide	76	6.237	6.237	(0.733)	794658	4.00000	3.446
35 trans-1,2-Dichloroethene	96	6.861	6.861	(0.806)	237707	4.00000	3.642
36 Methyl-t-Butyl Ether	73	7.028	7.028	(0.826)	840305	4.00000	3.294
37 1,1-Dichloroethane	63	7.259	7.259	(0.853)	423613	4.00000	3.370
38 Vinyl Acetate	43	7.383	7.383	(0.868)	528131	4.00000	3.833
39 Hexane	56	7.846	7.846	(0.922)	203229	4.00000	2.944
40 2-Butanone	72	7.824	7.824	(0.920)	120009	4.00000	4.290
41 cis 1,2-Dichloroethene	96	8.195	8.195	(0.963)	197312	4.00000	3.474
42 Ethyl Acetate	45	8.432	8.432	(0.991)	73139	4.00000	4.003
43 Chloroform	83	8.523	8.523	(1.002)	587210	4.00000	3.585
44 Tetrahydrofuran	42	8.965	8.965	(1.054)	243866	4.00000	3.838
45 1,1,1-Trichloroethane	97	9.535	9.535	(1.121)	657062	4.00000	3.681
46 1,2-Dichloroethane	62	9.632	9.632	(0.900)	433304	4.00000	3.004
47 Benzene	78	10.121	10.121	(0.946)	592477	4.00000	2.894
48 1-Butanol	31	10.127	10.127	(0.947)	100836	4.00000	2.860
49 Cyclohexane	69	10.137	10.137	(0.948)	131007	4.00000	3.095
50 Carbon Tetrachloride	117	10.148	10.148	(0.949)	759174	4.00000	3.788
51 2,2,4-trimethylpentane	57	10.950	10.950	(1.024)	1067989	4.00000	2.952
52 Heptane	43	11.332	11.332	(1.059)	418585	4.00000	2.941
53 1,2-Dichloropropane	63	11.369	11.369	(1.063)	223174	4.00000	3.495
54 Trichloroethene	130	11.402	11.402	(1.066)	258925	4.00000	4.025
55 Dibromomethane	93	11.466	11.466	(1.072)	307640	4.00000	3.554
56 Bromodichloromethane	83	11.617	11.617	(1.086)	667479	4.00000	3.657
57 1,4-dioxane	88	11.681	11.681	(1.092)	162340	4.00000	4.209
58 Methyl Methacrylate	41	11.778	11.778	(1.101)	354116	4.00000	3.972
59 4-Methyl-2-pentanone	43	12.644	12.644	(1.182)	569711	4.00000	4.046
60 cis-1,3-Dichloropropene	75	12.655	12.655	(1.183)	404798	4.00000	3.657
61 trans-1,3-Dichloropropene	75	13.365	13.365	(0.864)	476352	4.00000	3.600
62 Toluene	91	13.483	13.483	(0.872)	712198	4.00000	3.058
63 1,1,2-Trichloroethane	97	13.559	13.559	(0.877)	248738	4.00000	3.728

Data File: /var/chem/gcms/me.i/E012508.b/eccva25.d
Report Date: 25-Jan-2008 11:20

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
64	2-Hexanone	58	13.994	13.994	(0.905)	254077	4.00000	4.007
65	Octane	85	14.237	14.237	(0.920)	244524	4.00000	3.067
66	Dibromochloromethane	129	14.247	14.247	(0.921)	526482	4.00000	3.791
67	1,2-Dibromoethane	107	14.549	14.549	(0.941)	415480	4.00000	3.426
68	Tetrachloroethene	129	14.635	14.635	(0.946)	269009	4.00000	3.799
69	Chlorobenzene	112	15.517	15.517	(1.003)	531739	4.00000	3.796
70	Ethylbenzene	91	15.823	15.823	(1.023)	1063967	4.00000	3.328
71	m&p-Xylene	91	15.990	15.990	(1.034)	1785325	8.00000	7.385
72	Bromoform	173	16.399	16.399	(1.060)	612425	4.00000	4.188
73	Nonane	57	16.458	16.458	(1.064)	517708	4.00000	2.983
74	Styrene	104	16.448	16.448	(1.063)	552644	4.00000	3.452
75	o-Xylene	91	16.512	16.512	(1.067)	940966	4.00000	3.423
76	1,1,2,2-Tetrachloroethane	83	16.824	16.824	(1.088)	670645	4.00000	4.204
77	1,2,3-Trichloropropane	110	16.985	16.985	(1.098)	191900	4.00000	4.312
78	Cumene	105	17.109	17.109	(1.106)	1220347	4.00000	3.446
80	n-Propylbenzene	120	17.663	17.663	(1.142)	293392	4.00000	3.751
82	2-chlorotoluene	126	17.685	17.685	(1.143)	244893	4.00000	4.116
83	4-Ethyltoluene	105	17.819	17.819	(1.152)	1229317	4.00000	3.588
84	1,3,5-Trimethylbenzene	120	17.895	17.895	(1.157)	417285	4.00000	3.638
85	Alpha-Methylstyrene	118	18.121	18.121	(1.171)	340803	4.00000	3.536
87	Decane	57	18.228	18.228	(1.178)	659714	4.00000	3.272
88	Tert-butylbenzene	119	18.325	18.325	(1.185)	1038430	4.00000	4.219
89	1,2,4-Trimethylbenzene	105	18.336	18.336	(1.185)	1036237	4.00000	3.694
90	sec-butylbenzene	105	18.605	18.605	(1.203)	1443122	4.00000	3.702
91	1,3-Dichlorobenzene	146	18.594	18.594	(1.202)	564823	4.00000	3.971
92	Benzyl Chloride	91	18.675	18.675	(1.207)	996478	4.00000	4.084
93	1,4-Dichlorobenzene	146	18.685	18.685	(1.208)	550443	4.00000	3.951
94	p-Cymene	119	18.772	18.772	(1.214)	1165947	4.00000	3.790
96	1,2-Dichlorobenzene	146	19.046	19.046	(1.231)	537227	4.00000	4.131
97	n-butylbenzene	91	19.213	19.213	(1.242)	1205217	4.00000	3.563
98	Undecane	57	19.568	19.568	(1.265)	692421	4.00000	3.321
101	Dodecane	57	20.633	20.633	(1.334)	558809	4.00000	4.531
102	1,2,4-Trichlorobenzene	180	20.767	20.767	(1.343)	394899	4.00000	3.665
103	Napthalene	128	20.902	20.902	(1.351)	745115	4.00000	4.122
104	Hexachlorobutadiene	225	21.139	21.139	(1.367)	656730	4.00000	3.901
105	1,2,3-trichlorobenzene	180	21.192	21.192	(1.370)	411891	4.00000	4.403


Data File: /var/chem/gcms/me.i/E012508.b/eccva25.d
Date : 25-JAN-2008 06:29
Client ID: CCV
Sample Info: CCV,,2,5,,CCV
Purge Volume: 200.0
Column phase: HP-5
Instrument: me.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
Min
/var/chem/gcms/me.i/E012508.b/eccva25.d
-Bromochloromethane+
-1,2-Dichloroethane-d4
-1,4-Difluorobenzene
-Toluene-d8+
-Chlorobenzene-d5
4-Bromofluorobenzene+

TestAmerica Knoxville GC/MS Air Continuing Calibration Review / Narrative Checklist
Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 9

Analysis Date:	2-1-08	CCAL Batch/ Scan Name:	E020108	Instrument:	ME	ICAL Batch/ Scan Name:	E0116081	Scanned □

Review Items	N/A	Yes	No	If No, why is data reportable?	2nd
1. Did BFB meet tune criteria?		✓			✓
2. Were all standards injected within 24 hr of BFB?		✓			✓
3. Have the Entech position no. & vol. been verified with run log & sample vol. corrected if actual amount differs >5%?		✓			✓
4. Was date/time of analysis verified between analysis header and logbook as correct?		✓			✓
5. Was the CCAL compared to the correct ICAL?		✓			✓
6. Is the %D ≤ 30% for all target analytes? Up to 4 analytes allowed over 30% but ≤ 40% D (Narrative req'd.).		✓			✓
7. Have all peaks been auto identified? If not, list:		✓			✓
8. If manual integrations were performed, are they clearly identified, initialed, dated and reason given?	✓			Reasons: 1)Corrected split peak; 2)Unresolved peak; 3)tailing; 4)RT shift; 5)wrong peak selected; 6)other	NA
9. Have alternate hits/manual integrations been verified as correct and are correct RFs listed in CCAL summary?	✓				NA
10. Is the first IS documented correctly on the log?		✓			✓
11. Is the ICAL date & time on the CCAL correct?		✓			✓
12. Elution order checked on isomeric pairs?		✓			✓
• dichlorodifluoromethane / 1,2-dichlorotetrafluoroethane		✓			✓
• trichlorofluoromethane / 1,1,2-trichlorotrifluoroethane		✓			✓
• vinyl acetate / hexane		✓			✓
• cis- and trans- isomers		✓			✓
• ethyl benzene / m/p-xylene / o-xylene		✓			✓
• 4-ethyl toluene/1,3,5-trimethylbenzene/1,2,4-trimethylbenzene		✓			✓
• 1,3- , 1,4- , and 1,2-dichlorobenzene		✓			✓
13. Did the LCS meet criteria (nonpolar target analytes 70-130%, with up to 2 nonpolars 60-140%; polar target analytes 60-140%, with up to 2 polars 45-155%)?		✓		□ [lcs6] LCS analyte(s) flagged as being outside control limits, but SOP allows 2 polars and 2 nonpolars outside 70-130%R.	✓
14. If criteria were not met, was a NCM generated, approved by supervisor, and copy included in folder?	✓				NA
15. Does the CCAL folder contain **complete** data in the following order: data review checklist, a **complete** runlog, Entech report, tune pass/fail page, m/z list, tune chromatogram, Target CCAL summary, Quan report, chromatogram, manual integrations and leak check report.		✓			✓

Analyst: KMA	Date: 2-4-08	2nd Level Reviewer : VC	Date: 020408
Comments:		Comments:	

TestAmerica Knoxville
TO-14/15 RUN LOG

GCMS Analysis: TO-14/15 for H8A310110: / others: Inst: ME

Analyst: KM Qtims Batch: 80350067 / 80350068

Date: ~~2-1-08~~ km 2-1-08 ICAL Batch: E011608I Target Batch: ~~E01~~ E020108 km 2-1-08 IS #1 Area: 131818

Surr/IS ID & Vol.: V176/20ml System Date/Time ok (y/n): —

Preventive Maintenance Performed ~~N~~ Daily

Time	Use	Lot No.	File ID	Can #	Pos	Vol* (mL)	Can DF	Comments
0957	✓	TUNE	EBFBB01	—	16	0	1	
1026	✓	CCV	ECCVB01	CX16608	15	40		
↓	✓	LCS	ELCSB01	↓	↓	↓		
1147	N	BLK	BLANK	—	16	500		
1228	✓	BLK	EBLKB01	—	16	↓	↓	
1309	—	H8A310110	KGCR21AA	60352	11	500	1	korkay.sub
1353	—	↓	R4	66614	12	↓	↓	
1436	—	↓	R6	60394	13	↓	↓	
1518	✓	H8A310123	KGCW91AA	0116	10	300	1376.43	to14mj.sub
1653	—	H8B010174	KGE91IAA	1493	1	200	3.92 1.0	baker btexN
1735	—	↓	97	6606	2	↓	↓	
1822	—	↓	98	6370	3	↓	↓	
1908	✓	↓	99	93034	4	↓	↓	
1955	✓	↓	KGFAA	6600	5	↓	↓	
2039	~~ICC~~	H8A310218	KGDVP1AA	93048	6	20	3.92	synergy
2123	—	↓	VT	11159	7	↓	1	
2207	✓	↓	V0	12455	8	↓	↓	
2251	—	↓	V5	11152	9	↓	↓	
2335	—	↓	WA	6683	10	↓	↓	
0018	✓	↓	WD	12481	11	↓	↓	
0101	✓	↓	WE	93265	12	↓	↓	
0144	—	↓	WF	11286	13	↓	↓	
0227	✓	H8A310216	KGDT51AA	12181	14	↓	↓	
0310	—	↓	T8	2967	15	↓	↓	
not run		↓	VC	93168	—	↓	↓	KM 2-4-08
0353	dup ✓	H8A310216	KGTT8DUP	2967	15	20	1	
								KM 2-4-08

* Entech programmed Volume. If the Entech report amount differs from the programmed amount by >5%, the Entech report amount is used for calulations.

Analyst: KM Date: 2-4-08

Test America - Knoxville

Entech Autosampler Log

Sample	Position	Volume	AnDate	AnTime
bfb	16	0	2/1/2008	9:51
CCV	15	41	2/1/2008	10:26
BLK	16	500	2/1/2008	11:47
BLK	16	501	2/1/2008	12:28
KGCR2	11	500	2/1/2008	13:09
KGCR4	12	500	2/1/2008	13:53
KGCR6	13	501	2/1/2008	14:36
KGCW9	10	300	2/1/2008	15:18
KGE91	1	201	2/1/2008	16:53
KGE97	2	201	2/1/2008	17:35
KGE98	3	201	2/1/2008	18:22
KGE99	4	202	2/1/2008	19:08
KGFAA	5	200	2/1/2008	19:55
KGDVP	6	21	2/1/2008	20:39
KGDVT	7	21	2/1/2008	21:23
KGDV0	8	21	2/1/2008	22:07
KGDV5	9	21	2/1/2008	22:51
KGDWA	10	20	2/1/2008	23:35
KGDWD	11	21	2/2/2008	0:18
KGDWE	12	21	2/2/2008	1:01
KGDWF	13	20	2/2/2008	1:44
KGDT5	14	21	2/2/2008	2:27
KGDT8	15	21	2/2/2008	3:10
KGDT8D	15	20	2/2/2008	3:53

Data File: /chem/gcms/me.i/E020108.b/ebfbb01.d

Date : 01-FEB-2008 09:51

Client ID: BFB

Instrument: me.i

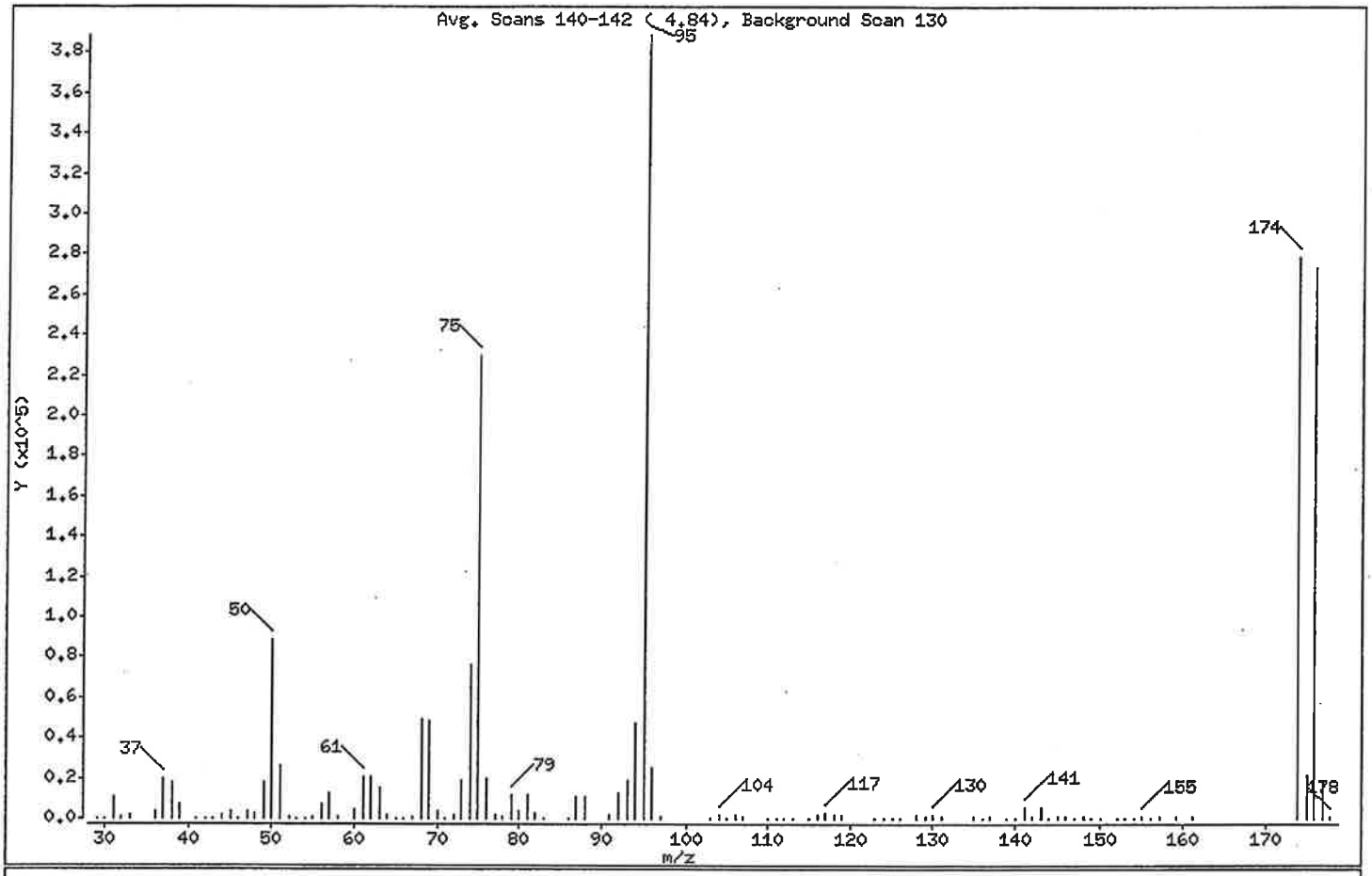
Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: HP-5

Column diameter: 0.32

1 BFB



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.79
75	30.00 - 60.00% of mass 95	59.03
96	5.00 - 9.00% of mass 95	6.52
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	71.74
175	5.00 - 9.00% of mass 174	5.41 (7.54)
176	95.00 - 101.00% of mass 174	70.37 (98.10)
177	5.00 - 9.00% of mass 176	4.72 (6.70)

Data File: /chem/gcms/me.i/E020108.b/ebfbb01.d

Date : 01-FEB-2008 09:51

Client ID: BFB

Instrument: me.i

Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: HP-5

Column diameter: 0.32

Data File: ebfbb01.d

Spectrum: Avg. Scans 140-142 (4.84), Background Scan 130

Location of Maximum: 95.00

Number of points: 111

m/z	Y	m/z	Y	m/z	Y	m/z	Y
29.00	53	61.00	20568	93.00	18616	136.00	71
30.00	81	62.00	20408	94.00	47176	137.00	692
31.00	11062	63.00	15126	95.00	388288	139.00	104
32.00	745	64.00	1669	96.00	25320	140.00	290
33.00	1614	65.00	131	97.00	817	141.00	5159
36.00	3561	66.00	71	103.00	287	142.00	614
37.00	19880	67.00	1266	104.00	1910	143.00	4953
38.00	17768	68.00	49192	105.00	343	144.00	345
39.00	6941	69.00	48624	106.00	1849	145.00	460
41.00	52	70.00	3430	107.00	487	146.00	587
42.00	96	71.00	168	110.00	256	147.00	308
43.00	266	72.00	2153	111.00	373	148.00	946
44.00	2008	73.00	18600	112.00	279	149.00	220
45.00	3723	74.00	76192	113.00	329	150.00	429
46.00	313	75.00	229184	115.00	440	152.00	67
47.00	3131	76.00	19752	116.00	1537	153.00	380
48.00	2462	77.00	1816	117.00	2437	154.00	319
49.00	17872	78.00	1204	118.00	1489	155.00	891
50.00	88512	79.00	11850	119.00	2098	156.00	85
51.00	25656	80.00	3601	123.00	83	157.00	673
52.00	1054	81.00	11547	124.00	275	159.00	611
53.00	75	82.00	2811	125.00	78	161.00	703
54.00	79	83.00	436	126.00	92	174.00	278528
55.00	1203	86.00	322	128.00	1518	175.00	20992
56.00	6724	87.00	10951	129.00	719	176.00	273280
57.00	12256	88.00	10394	130.00	1497	177.00	18312
58.00	461	91.00	1689	131.00	620	178.00	619
60.00	4098	92.00	12667	135.00	920		

Data File: /chem/gcms/me.i/E020108.b/ebfbb01.d

Date : 01-FEB-2008 09:51

Client ID: BFB

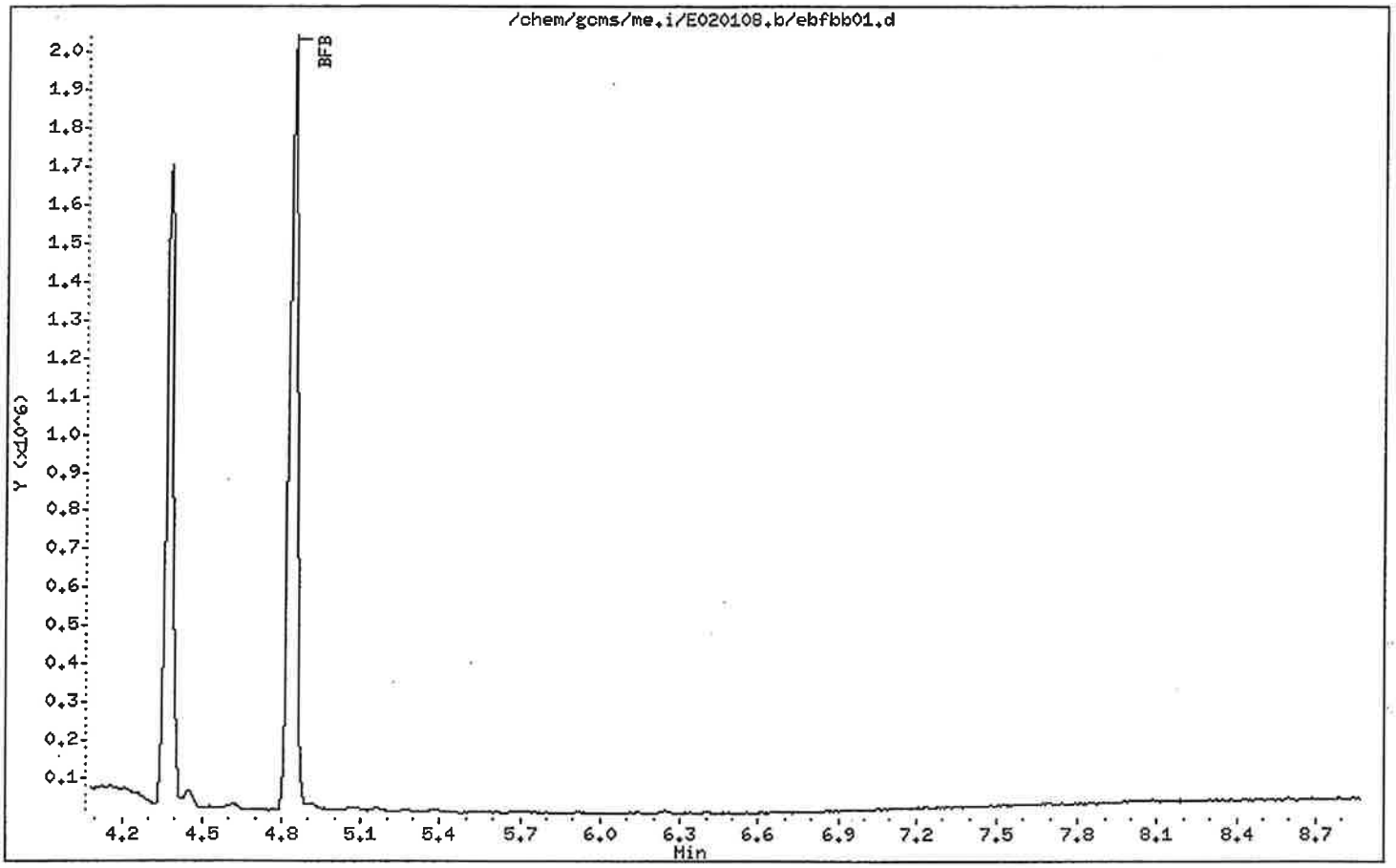
Instrument: me.i

Sample Info: BFB,,3,,,BFB

Operator: 7126

Column phase: HP-5

Column diameter: 0.32



Data File: /chem/gcms/me.i/E020108.b/eccvb01.d
Report Date: 01-Feb-2008 10:53

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: me.i
Lab File ID: eccvb01.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /chem/gcms/me.i/E020108.b/TO15S.m

Injection Date: 01-FEB-2008 10:26
Init. Cal. Date(s): 16-JAN-2008 17-JAN-2008
Init. Cal. Times: 12:15 08:23
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF4	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 4 1,2-Dichloroethane-d4	0.34220	0.39028	0.000	-14.04897	30.00000	Averaged	
$ 5 Toluene-d8	1.18230	1.20696	0.000	-2.08605	30.00000	Averaged	
$ 6 4-Bromofluorobenzene	1.02222	1.09493	0.000	-7.11235	30.00000	Averaged	
7 Chlorodifluoromethane	0.72572	0.76550	0.000	-5.48205	30.00000	Averaged	
8 Propene	1.37108	1.30474	0.000	4.83852	30.00000	Averaged	
9 Dichlorodifluoromethane	6.59223	7.48731	0.000	-13.57780	30.00000	Averaged	
10 Chloromethane	0.57031	0.50780	0.000	10.95965	30.00000	Averaged	
11 1,2-Dichlorotetrafluoroetha	2.93372	3.02155	0.000	-2.99391	30.00000	Averaged	
12 Methanol	0.44574	0.47528	0.000	-6.62721	30.00000	Averaged	
13 Vinyl Chloride	1.89475	1.87473	0.000	1.05676	30.00000	Averaged	
14 n-Butane	2.72038	2.51849	0.000	7.42149	30.00000	Averaged	
15 1,3-Butadiene	1.25934	1.24161	0.000	1.40736	30.00000	Averaged	
16 Bromomethane	1.67177	1.77527	0.000	-6.19097	30.00000	Averaged	
17 Chloroethane	0.81797	0.87488	0.000	-6.95775	30.00000	Averaged	
18 Vinyl Bromide	1.54361	1.61790	0.000	-4.81240	30.00000	Averaged	
19 2-methyl butane	2.41367	1.90441	0.000	21.09914	30.00000	Averaged	
20 Trichlorofluoromethane	6.13103	6.92466	0.000	-12.94452	30.00000	Averaged	
21 Acrolein	0.53579	0.44802	0.000	16.38172	30.00000	Averaged	
22 Acetonitrile	0.58214	0.50712	0.000	12.88643	30.00000	Averaged	
23 Acetone	0.54070	0.82470	0.000	-52.52434	30.00000	Averaged	<-
24 Pentane	0.31180	0.30170	0.000	3.24139	30.00000	Averaged	
25 Isopropyl Alcohol	3.02850	2.97276	0.000	1.84039	30.00000	Averaged	
26 Ethyl Ether	1.59090	1.56890	0.000	1.38266	30.00000	Averaged	
27 1,1-Dichloroethene	1.30325	1.19056	0.000	8.64709	30.00000	Averaged	
28 Acrylonitrile	0.83825	0.81467	0.000	2.81288	30.00000	Averaged	
29 tert-butanol	4.67515	4.27249	0.000	8.61267	30.00000	Averaged	
30 1,1,2-Trichlorotrifluoroeth	2.95323	3.00333	0.000	-1.69643	30.00000	Averaged	
31 Methylene Chloride	1.45140	1.21051	0.000	16.59657	30.00000	Averaged	
32 3-Chloropropene	1.60764	1.67888	0.000	-4.43097	30.00000	Averaged	
33 Carbon Disulfide	5.29722	5.03579	0.000	4.93533	30.00000	Averaged	
34 2,3-Dimethyl butane	++++	0.03310	0.000	++++	30.00000	Averaged	<-
35 trans-1,2-Dichloroethene	1.49926	1.42914	0.000	4.67737	30.00000	Averaged	
36 Methyl-t-Butyl Ether	5.85982	4.84026	0.000	17.39919	30.00000	Averaged	
37 1,1-Dichloroethane	2.88757	2.71998	0.000	5.80411	30.00000	Averaged	
38 Vinyl Acetate	3.16503	3.16288	0.000	0.06784	30.00000	Averaged	

Data File: /chem/gcms/me.i/E020108.b/eccvb01.d
Report Date: 01-Feb-2008 10:53

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: me.i
Lab File ID: eccvb01.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /chem/gcms/me.i/E020108.b/TO155.m

Injection Date: 01-FEB-2008 10:26
Init. Cal. Date(s): 16-JAN-2008 17-JAN-2008
Init. Cal. Times: 12:15 08:23
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF4	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
39 Hexane	1.58558	1.24718	0.000	21.34258	30.00000	Averaged	
40 2-Butanone	0.64247	0.64406	0.000	-0.24785	30.00000	Averaged	
41 cis 1,2-Dichloroethene	1.30437	1.16260	0.000	10.86870	30.00000	Averaged	
42 Ethyl Acetate	0.41964	0.41260	0.000	1.67751	30.00000	Averaged	
43 Chloroform	3.76238	3.86571	0.000	-2.74643	30.00000	Averaged	
44 Tetrahydrofuran	1.45956	1.36456	0.000	6.50831	30.00000	Averaged	
45 1,1,1-Trichloroethane	4.09982	4.45543	0.000	-8.67371	30.00000	Averaged	
46 1,2-Dichloroethane	0.67642	0.57005	0.000	15.72494	30.00000	Averaged	
47 Benzene	0.95996	0.66951	0.000	30.25648	30.00000	Averaged	<-OK
48 1-Butanol	0.16532	0.10123	0.000	38.76868	30.00000	Averaged	<-
49 Cyclohexane	0.19852	0.16373	0.000	17.52159	30.00000	Averaged	
50 Carbon Tetrachloride	0.93993	1.07296	0.000	-14.15213	30.00000	Averaged	
51 2,2,4-trimethylpentane	1.69692	1.37296	0.000	19.09087	30.00000	Averaged	
52 Heptane	0.66749	0.53934	0.000	19.19954	30.00000	Averaged	
53 1,2-Dichloropropane	0.29946	0.25654	0.000	14.33150	30.00000	Averaged	
54 Trichloroethene	0.30168	0.30575	0.000	-1.34928	30.00000	Averaged	
55 Dibromomethane	0.40601	0.37398	0.000	7.88815	30.00000	Averaged	
56 Bromodichloromethane	0.85590	0.84832	0.000	0.88525	30.00000	Averaged	
57 1,4-dioxane	0.18087	0.16727	0.000	7.52186	30.00000	Averaged	
58 Methyl Methacrylate	0.41813	0.41168	0.000	1.54430	30.00000	Averaged	
59 4-Methyl-2-pentanone	0.66035	0.62846	0.000	4.82914	30.00000	Averaged	
60 cis-1,3-Dichloropropene	0.51914	0.46499	0.000	10.42971	30.00000	Averaged	
61 trans-1,3-Dichloropropene	0.65919	0.59580	0.000	9.61619	30.00000	Averaged	
62 Toluene	1.16031	0.83551	0.000	27.99284	30.00000	Averaged	
63 1,1,2-Trichloroethane	0.33235	0.29769	0.000	10.43027	30.00000	Averaged	
64 2-Hexanone	0.31591	0.27356	0.000	13.40474	30.00000	Averaged	
65 Octane	0.39720	0.31378	0.000	21.00241	30.00000	Averaged	
66 Dibromochloromethane	0.69185	0.65397	0.000	5.47507	30.00000	Averaged	
67 1,2-Dibromoethane	0.60421	0.46949	0.000	22.29681	30.00000	Averaged	
68 Tetrachloroethene	0.35274	0.35026	0.000	0.70482	30.00000	Averaged	
69 Chlorobenzene	0.69792	0.61898	0.000	11.31143	30.00000	Averaged	
70 Ethylbenzene	1.59268	1.28299	0.000	19.44483	30.00000	Averaged	
71 m&p-Xylene	1.20446	1.07689	0.000	10.59184	30.00000	Averaged	
72 Bromoform	0.72846	0.71817	0.000	1.41185	30.00000	Averaged	
73 Nonane	0.86459	0.63170	0.000	26.93585	30.00000	Averaged	

Data File: /chem/gcms/me.i/E020108.b/eccvb01.d
Report Date: 01-Feb-2008 10:53

TestAmerica Knoxville

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: me.i
Lab File ID: eccvb01.d
Analysis Type: AIR
Lab Sample ID: CCV
Method: /chem/gcms/me.i/E020108.b/TO155.m

Injection Date: 01-FEB-2008 10:26
Init. Cal. Date(s): 16-JAN-2008 17-JAN-2008
Init. Cal. Times: 12:15 08:23
Quant Type: ISTD

COMPOUND	RRF / AMOUNT	RF4	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
74 Styrene	0.79756	0.61844	0.000	22.45823	30.00000	Averaged	
75 o-Xylene	1.36969	1.11854	0.000	18.33635	30.00000	Averaged	
76 1,1,2,2-Tetrachloroethane	0.79483	0.75157	0.000	5.44356	30.00000	Averaged	
77 1,2,3-Trichloropropane	0.22172	0.23072	0.000	-4.06117	30.00000	Averaged	
78 Cumene	1.76414	1.41458	0.000	19.81441	30.00000	Averaged	
79 a-Pinene	++++	0.64997	0.000	++++	30.00000	Averaged	<-
80 n-Propylbenzene	0.38966	0.32514	0.000	16.55820	30.00000	Averaged	
81 Camphene	++++	0.04789	0.000	++++	30.00000	Averaged	<-
82 2-chlorotoluene	0.29644	0.27894	0.000	5.90493	30.00000	Averaged	
83 4-Ethyltoluene	1.70708	1.41086	0.000	17.35290	30.00000	Averaged	
84 1,3,5-Trimethylbenzene	0.57151	0.44974	0.000	21.30741	30.00000	Averaged	
85 Alpha-Methylstyrene	0.48025	0.34790	0.000	27.55686	30.00000	Averaged	
86 b-Pinene	++++	0.01275	0.000	++++	30.00000	Averaged	<-
87 Decane	1.00465	0.76836	0.000	23.51994	30.00000	Averaged	
88 Tert-butylbenzene	1.22626	1.18352	0.000	3.48554	30.00000	Averaged	
89 1,2,4-Trimethylbenzene	1.39756	1.20463	0.000	13.80523	30.00000	Averaged	
90 sec-butylbenzene	1.94203	1.63740	0.000	15.68619	30.00000	Averaged	
91 1,3-Dichlorobenzene	0.70866	0.63695	0.000	10.11954	30.00000	Averaged	
92 Benzyl Chloride	1.21558	1.21788	0.000	-0.18908	30.00000	Averaged	
93 1,4-Dichlorobenzene	0.69408	0.62189	0.000	10.40129	30.00000	Averaged	
94 p-Cymene	1.53280	1.30618	0.000	14.78435	30.00000	Averaged	
95 d-Limonene	++++	0.28066	0.000	++++	30.00000	Averaged	<-
96 1,2-Dichlorobenzene	0.64786	0.58763	0.000	9.29751	30.00000	Averaged	
97 n-butylbenzene	1.68502	1.42421	0.000	15.47790	30.00000	Averaged	
98 Undecane	1.03882	0.77361	0.000	25.52998	30.00000	Averaged	
99 4-tert-Butyltoluene	++++	0.00039	0.000	++++	30.00000	Averaged	<-
100 Camphor	++++	0.04720	0.000	++++	30.00000	Averaged	<-
101 Dodecane	0.61441	0.61599	0.000	-0.25670	30.00000	Averaged	
102 1,2,4-Trichlorobenzene	0.53676	0.49225	0.000	8.29250	30.00000	Averaged	
103 Napthalene	0.90060	0.81753	0.000	9.22426	30.00000	Averaged	
104 Hexachlorobutadiene	0.83873	0.79486	0.000	5.23057	30.00000	Averaged	
105 1,2,3-trichlorobenzene	0.46611	0.48050	0.000	-3.08696	30.00000	Averaged	

Data File: /chem/gcms/me.i/E020108.b/eccvb01.d
Report Date: 01-Feb-2008 10:53

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /chem/gcms/me.i/E020108.b/eccvb01.d
Lab Smp Id: CCV Client Smp ID: CCV
Inj Date : 01-FEB-2008 10:26
Operator : 7126 Inst ID: me.i
Smp Info : CCV,,2,5,,CCV
Misc Info : E020108,TO155,,,
Comment :
Method : /chem/gcms/me.i/E020108.b/TO155.m
Meth Date : 01-Feb-2008 10:52 chemist Quant Type: ISTD
Cal Date : 16-JAN-2008 18:51 Cal File: eica169r.d
Als bottle: 1 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	default calibration
Vo	200.00000	default sample volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
*	1 Bromochloromethane	128	8.502	8.502	(1.000)	131818	4.00000	4.000
*	2 1,4-Difluorobenzene	114	10.697	10.697	(1.000)	639780	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.469	15.469	(1.000)	594036	4.00000	4.000
$	4 1,2-Dichloroethane-d4	67	9.482	9.482	(0.886)	249694	4.00000	4.562
$	5 Toluene-d8	98	13.376	13.376	(0.865)	716978	4.00000	4.083
$	6 4-Bromofluorobenzene	95	17.126	17.126	(1.107)	650425	4.00000	4.284
	7 Chlorodifluoromethane	67	3.715	3.715	(0.437)	100907	4.00000	4.219
	8 Propene	41	3.725	3.725	(0.438)	171987	4.00000	3.806
	9 Dichlorodifluoromethane	85	3.774	3.774	(0.444)	986964	4.00000	4.543
	10 Chloromethane	52	3.935	3.935	(0.463)	66937	4.00000	3.562
	11 1,2-Dichlorotetrafluoroethane	135	3.946	3.946	(0.464)	398295	4.00000	4.120
	12 Methanol	31	4.054	4.054	(0.477)	62650	4.00000	4.265
	13 Vinyl Chloride	62	4.097	4.097	(0.482)	247123	4.00000	3.958
	14 n-Butane	43	4.177	4.177	(0.491)	331982	4.00000	3.703
	15 1,3-Butadiene	54	4.172	4.172	(0.491)	163667	4.00000	3.944

Data File: /chem/gcms/me.i/E020108.b/eccvb01.d
Report Date: 01-Feb-2008 10:53

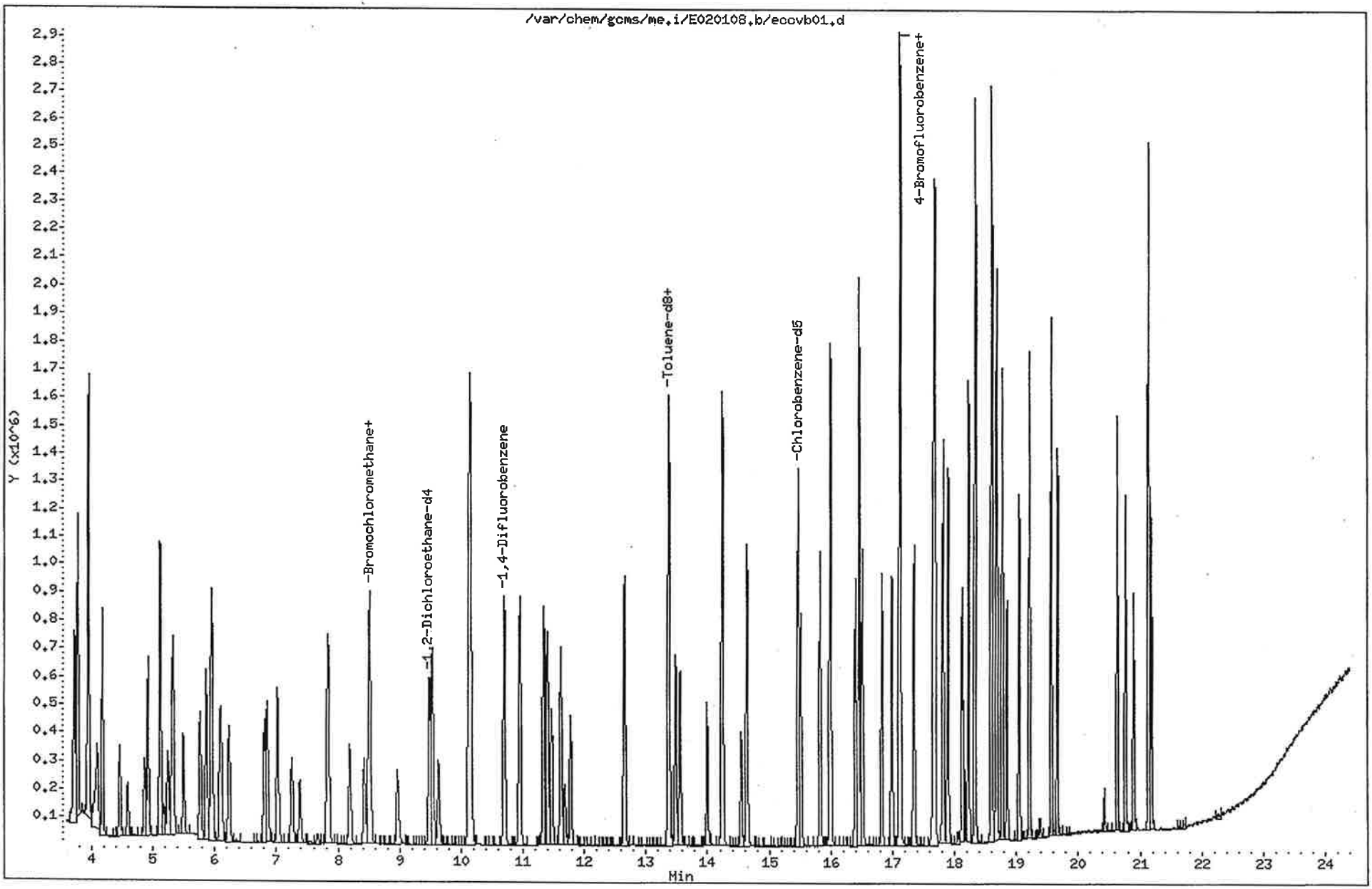
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
16 Bromomethane	94	4.462	4.462	(0.525)	234013	4.00000	4.248
17 Chloroethane	64	4.591	4.591	(0.540)	115325	4.00000	4.278
18 Vinyl Bromide	106	4.866	4.866	(0.572)	213268	4.00000	4.192
19 2-methyl butane	43	4.925	4.925	(0.579)	251035	4.00000	3.156
20 Trichlorofluoromethane	101	5.119	5.119	(0.602)	912796	4.00000	4.518
21 Acrolein	56	5.124	5.124	(0.603)	59057	4.00000	3.345
22 Acetonitrile	40	5.183	5.183	(0.610)	66848	4.00000	3.484
23 Acetone	58	5.242	5.242	(0.617)	108710	4.00000	6.101
24 Pentane	72	5.334	5.334	(0.627)	39769	4.00000	3.870
25 Isopropyl Alcohol	45	5.307	5.307	(0.624)	391863	4.00000	3.926
26 Ethyl Ether	31	5.495	5.495	(0.646)	206810	4.00000	3.945
27 1,1-Dichloroethene	96	5.770	5.770	(0.679)	156937	4.00000	3.654
28 Acrylonitrile	53	5.866	5.866	(0.690)	107388	4.00000	3.887
29 tert-butanol	59	5.866	5.866	(0.690)	563192	4.00000	3.655
30 1,1,2-Trichlorotrifluoroethane	101	5.953	5.953	(0.700)	395893	4.00000	4.068
31 Methylene Chloride	84	6.087	6.087	(0.716)	159567	4.00000	3.336
32 3-Chloropropene	39	6.109	6.109	(0.718)	221306	4.00000	4.177
33 Carbon Disulfide	76	6.232	6.232	(0.733)	663808	4.00000	3.802
35 trans-1,2-Dichloroethene	96	6.856	6.856	(0.806)	188386	4.00000	3.813
36 Methyl-t-Butyl Ether	73	7.018	7.018	(0.825)	638034	4.00000	3.304
37 1,1-Dichloroethane	63	7.254	7.254	(0.853)	358542	4.00000	3.768
38 Vinyl Acetate	43	7.378	7.378	(0.868)	416925	4.00000	3.997
39 Hexane	56	7.841	7.841	(0.922)	164400	4.00000	3.146
40 2-Butanone	72	7.819	7.819	(0.920)	84898	4.00000	4.010
41 cis 1,2-Dichloroethene	96	8.196	8.196	(0.964)	153251	4.00000	3.565
42 Ethyl Acetate	45	8.427	8.427	(0.991)	54388	4.00000	3.933
43 Chloroform	83	8.524	8.524	(1.003)	509570	4.00000	4.110
44 Tetrahydrofuran	42	8.965	8.965	(1.054)	179874	4.00000	3.740
45 1,1,1-Trichloroethane	97	9.535	9.535	(1.121)	587306	4.00000	4.347
46 1,2-Dichloroethane	62	9.632	9.632	(0.900)	364709	4.00000	3.371
47 Benzene	78	10.122	10.122	(0.946)	428338	4.00000	2.790
48 1-Butanol	31	10.127	10.127	(0.947)	64763	4.00000	2.449
49 Cyclohexane	69	10.132	10.132	(0.947)	104753	4.00000	3.299
50 Carbon Tetrachloride	117	10.149	10.149	(0.949)	686456	4.00000	4.566
51 2,2,4-trimethylpentane	57	10.950	10.950	(1.024)	878395	4.00000	3.236
52 Heptane	43	11.332	11.332	(1.059)	345056	4.00000	3.232
53 1,2-Dichloropropane	63	11.364	11.364	(1.062)	164131	4.00000	3.427
54 Trichloroethene	130	11.402	11.402	(1.066)	195610	4.00000	4.054
55 Dibromomethane	93	11.461	11.461	(1.071)	239266	4.00000	3.684
56 Bromodichloromethane	83	11.623	11.623	(1.086)	542738	4.00000	3.964
57 1,4-dioxane	88	11.676	11.676	(1.092)	107014	4.00000	3.699
58 Methyl Methacrylate	41	11.779	11.779	(1.101)	263382	4.00000	3.938
59 4-Methyl-2-pentanone	43	12.645	12.645	(1.182)	402076	4.00000	3.807
60 cis-1,3-Dichloropropene	75	12.655	12.655	(1.183)	297494	4.00000	3.583
61 trans-1,3-Dichloropropene	75	13.366	13.366	(0.864)	353927	4.00000	3.615
62 Toluene	91	13.489	13.489	(0.872)	496320	4.00000	2.880
63 1,1,2-Trichloroethane	97	13.559	13.559	(0.877)	176838	4.00000	3.583

Data File: /chem/gcms/me.i/E020108.b/eccvb01.d
Report Date: 01-Feb-2008 10:53

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb(v/v))	AMOUNTS ON-COL (ppb(v/v))
64 2-Hexanone	58	13.995	13.995	(0.905)	162503	4.00000	3.464
65 Octane	85	14.237	14.237	(0.920)	186397	4.00000	3.160
66 Dibromochloromethane	129	14.248	14.248	(0.921)	388484	4.00000	3.781
67 1,2-Dibromoethane	107	14.549	14.549	(0.941)	278894	4.00000	3.108
68 Tetrachloroethene	129	14.635	14.635	(0.946)	208064	4.00000	3.972
69 Chlorobenzene	112	15.517	15.517	(1.003)	367694	4.00000	3.548
70 Ethylbenzene	91	15.824	15.824	(1.023)	762141	4.00000	3.222
71 m&p-Xylene	91	15.991	15.991	(1.034)	1279418	8.00000	7.153
72 Bromoform	173	16.400	16.400	(1.060)	426621	4.00000	3.944
73 Nonane	57	16.459	16.459	(1.064)	375254	4.00000	2.922
74 Styrene	104	16.448	16.448	(1.063)	367375	4.00000	3.102
75 o-Xylene	91	16.513	16.513	(1.067)	664450	4.00000	3.266
76 1,1,2,2-Tetrachloroethane	83	16.825	16.825	(1.088)	446457	4.00000	3.782
77 1,2,3-Trichloropropane	110	16.991	16.991	(1.098)	137055	4.00000	4.162
78 Cumene	105	17.115	17.115	(1.106)	840314	4.00000	3.207
80 n-Propylbenzene	120	17.664	17.664	(1.142)	193144	4.00000	3.338
82 2-chlorotoluene	126	17.691	17.691	(1.144)	165699	4.00000	3.764
83 4-Ethyltoluene	105	17.820	17.820	(1.152)	838099	4.00000	3.306
84 1,3,5-Trimethylbenzene	120	17.901	17.901	(1.157)	267161	4.00000	3.148
85 Alpha-Methylstyrene	118	18.127	18.127	(1.172)	206668	4.00000	2.898
87 Decane	57	18.229	18.229	(1.178)	456432	4.00000	3.059
88 Tert-butylbenzene	119	18.331	18.331	(1.185)	703052	4.00000	3.860
89 1,2,4-Trimethylbenzene	105	18.342	18.342	(1.186)	715591	4.00000	3.448
90 sec-butylbenzene	105	18.605	18.605	(1.203)	972673	4.00000	3.372
91 1,3-Dichlorobenzene	146	18.595	18.595	(1.202)	378371	4.00000	3.595
92 Benzyl Chloride	91	18.675	18.675	(1.207)	723465	4.00000	4.008
93 1,4-Dichlorobenzene	146	18.686	18.686	(1.208)	369423	4.00000	3.584
94 p-Cymene	119	18.777	18.777	(1.214)	775920	4.00000	3.409
96 1,2-Dichlorobenzene	146	19.046	19.046	(1.231)	349070	4.00000	3.628
97 n-butylbenzene	91	19.213	19.213	(1.242)	846033	4.00000	3.381
98 Undecane	57	19.568	19.568	(1.265)	459552	4.00000	2.979
101 Dodecane	57	20.639	20.639	(1.334)	365920	4.00000	4.010
102 1,2,4-Trichlorobenzene	180	20.768	20.768	(1.343)	292414	4.00000	3.668
103 Napthalene	128	20.902	20.902	(1.351)	485640	4.00000	3.631
104 Hexachlorobutadiene	225	21.139	21.139	(1.367)	472174	4.00000	3.791
105 1,2,3-trichlorobenzene	180	21.193	21.193	(1.370)	285431	4.00000	4.123

Data File: /var/chem/gcms/me.i/E020108.b/eccvb01.d
Date : 01-FEB-2008 10:26
Client ID: CCV
Sample Info: CCV,,2,5,,CCV
Purge Volume: 200.0
Column phase: HP-5

Instrument: me.i
Operator: 7126
Column diameter: 0.32



Leak Check Report

2/1/2008 4:22:01 PM
Leak Check for C:\Smart\E013108.SEQ
Report File: C:\Smart\E013108.LCR
Leak Check Method: Evacuation
Pressurize/Evacuate time(sec) 15
Equilibration time(sec) 15
Maintanance time(sec) 15

Sample Inlet	Auto1	Auto2	Auto3	Start	End	Rate(psi/min)
1	1	---	---	1.6	1.8	0.80
1	2	---	---	1.4	1.6	0.80
1	3	---	---	1.4	1.6	0.80
1	4	---	---	1.4	1.5	0.40
1	5	---	---	1.4	1.6	0.80
1	6	---	---	1.3	1.5	0.80
1	7	---	---	1.3	1.5	0.80
1	8	---	---	1.4	1.6	0.80
1	9	---	---	1.4	1.6	0.80
1	10	---	---	1.4	1.6	0.80
1	11	---	---	1.3	1.5	0.80
1	12	---	---	1.7	2.1	1.60
1	13	---	---	1.5	1.6	0.40
1	14	---	---	1.4	1.6	0.80
1	15	---	---	1.4	1.6	0.80

Raw QC Data

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8B040000 - 067B **Work Order #** KGHGJ1AA **Matrix.....:** AIR

Prep Date.....: 2/1/08
Prep Batch #.....: 8035067
Dilution Factor.: 1

Date Received..: 1/31/08
Analysis Date... 2/1/08

Method.....: TO-15

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
trans-1,3-Dichloropropene	ND	0.080	ND	0.36
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.080	ND	0.56
1,4-Dioxane	ND	0.20	ND	0.72
Ethylbenzene	ND	0.080	ND	0.35
Trichlorofluoromethane	ND	0.080	ND	0.45
Hexachlorobutadiene	ND	0.080	ND	0.85
n-Hexane	ND	0.20	ND	0.70
2,2,4-Trimethylpentane	ND	0.20	ND	0.93
tert-Butyl alcohol	ND	0.32	ND	0.97
Methylene chloride	ND	0.20	ND	0.69
Benzene	ND	0.080	ND	0.26
Benzyl chloride	ND	0.16	ND	0.83
Styrene	ND	0.080	ND	0.34
1,1,2,2-Tetrachloroethane	ND	0.080	ND	0.55
Tetrachloroethene	ND	0.080	ND	0.54
Toluene	ND	0.080	ND	0.30
1,2,4-Trichlorobenzene	ND	0.080	ND	0.59
1,1,1-Trichloroethane	ND	0.080	ND	0.44
1,1,2-Trichloroethane	ND	0.080	ND	0.44
Trichloroethene	ND	0.040	ND	0.21
1,2,4-Trimethylbenzene	ND	0.080	ND	0.39
1,3,5-Trimethylbenzene	ND	0.080	ND	0.39
Vinyl chloride	ND	0.080	ND	0.20
o-Xylene	ND	0.080	ND	0.35
Methyl tert-butyl ether	ND	0.16	ND	0.58
1,1,2-Trichlorotrifluoroethane	ND	0.080	ND	0.61
m-Xylene & p-Xylene	ND	0.080	ND	0.35
Bromodichloromethane	ND	0.080	ND	0.54
1,2-Dibromoethane (EDB)	ND	0.080	ND	0.61
2-Butanone (MEK)	ND	0.16	ND	0.47
4-Methyl-2-pentanone (MIBK)	ND	0.20	ND	0.82
Bromoform	ND	0.080	ND	0.83
Bromomethane	ND	0.080	ND	0.31
Carbon tetrachloride	ND	0.040	ND	0.25
Chlorobenzene	ND	0.080	ND	0.37
Dibromochloromethane	ND	0.080	ND	0.68
Chloroethane	ND	0.080	ND	0.21
Chloroform	ND	0.080	ND	0.39
Chloromethane	ND	0.20	ND	0.41

New York State D.E.C.

Client Sample ID: INTRA-LAB BLANK

GC/MS Volatiles

Lot-Sample # H8B040000 - 067B **Work Order #** KGHGJ1AA **Matrix.....:** AIR

PARAMETER	RESULTS (ppb(v/v))	REPORTING LIMIT (ppb(v/v))	RESULTS (ug/m3)	REPORTING LIMIT (ug/m3)
Cyclohexane	ND	0.20	ND	0.69
1,2-Dichlorobenzene	ND	0.080	ND	0.48
1,3-Dichlorobenzene	ND	0.080	ND	0.48
1,4-Dichlorobenzene	ND	0.080	ND	0.48
Dichlorodifluoromethane	ND	0.080	ND	0.40
1,1-Dichloroethane	ND	0.080	ND	0.32
1,2-Dichloroethane	ND	0.080	ND	0.32
1,1-Dichloroethene	ND	0.080	ND	0.32
cis-1,2-Dichloroethene	ND	0.080	ND	0.32
trans-1,2-Dichloroethene	ND	0.080	ND	0.32
1,2-Dichloropropane	ND	0.080	ND	0.37
cis-1,3-Dichloropropene	ND	0.080	ND	0.36

TENTATIVELY INDENTIFIED COMPOUNDS	RESULT	UNITS
None		

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	110	70 - 130
Toluene-d8	103	70 - 130
4-Bromofluorobenzene	96	70 - 130

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/me.i/E020108.b/eblkb01.d
Report Date: 04-Feb-2008 11:05

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/me.i/E020108.b/eblkb01.d
Lab Smp Id: KGHGJ1AA Client Smp ID: INTRA-LAB BLANK
Inj Date : 01-FEB-2008 12:28
Operator : 7126 Inst ID: me.i
Smp Info : KGHGJ1AA,,3,,,BLANK
Misc Info : E020108,TO155,,,
Comment :
Method : /var/chem/gcms/me.i/E020108.b/TO155.m
Meth Date : 04-Feb-2008 11:04 layk Quant Type: ISTD
Cal Date : 16-JAN-2008 18:51 Cal File: eica169r.d
Als bottle: 6 QC Sample: METHOD BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: korkay.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	default calibration
Vo	500.00000	default sample volume

Cpnd Variable Local Compound Variable

020108

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
* 1 Bromochloromethane	128	8.497	8.502	(1.000)	130799	4.00000	4.000
* 2 1,4-Difluorobenzene	114	10.692	10.697	(1.000)	673178	4.00000	4.000
* 3 Chlorobenzene-d5	117	15.464	15.469	(1.000)	605781	4.00000	4.000
$ 4 1,2-Dichloroethane-d4	67	9.476	9.482	(0.886)	254426	4.41781	4.418
$ 5 Toluene-d8	98	13.371	13.376	(0.865)	736671	4.11425	4.114
$ 6 4-Bromofluorobenzene	95	17.121	17.126	(1.107)	592920	3.82997	3.830

Data File: /var/chem/gcms/me.i/E020108.b/eblkb01.d
Report Date: 04-Feb-2008 11:05

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: me.i
Lab File ID: eblkb01.d
Lab Smp Id: KGHGJ1AA
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /var/chem/gcms/me.i/E020108.b/TO155.m
Misc Info: E020108,TO155,,,

Calibration Date: 01-FEB-2008
Calibration Time: 10:26
Client Smp ID: INTRA-LAB BLANK
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	131818	78432	185204	130799	-0.77
2 1,4-Difluorobenze	639780	380669	898891	673178	5.22
3 Chlorobenzene-d5	594036	353451	834621	605781	1.98

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.50	8.17	8.83	8.50	-0.06
2 1,4-Difluorobenze	10.70	10.37	11.03	10.69	-0.05
3 Chlorobenzene-d5	15.47	15.14	15.80	15.46	-0.03

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /var/chem/gcms/me.i/E020108.b/eblkb01.d
Report Date: 04-Feb-2008 11:05

TestAmerica Knoxville

RECOVERY REPORT

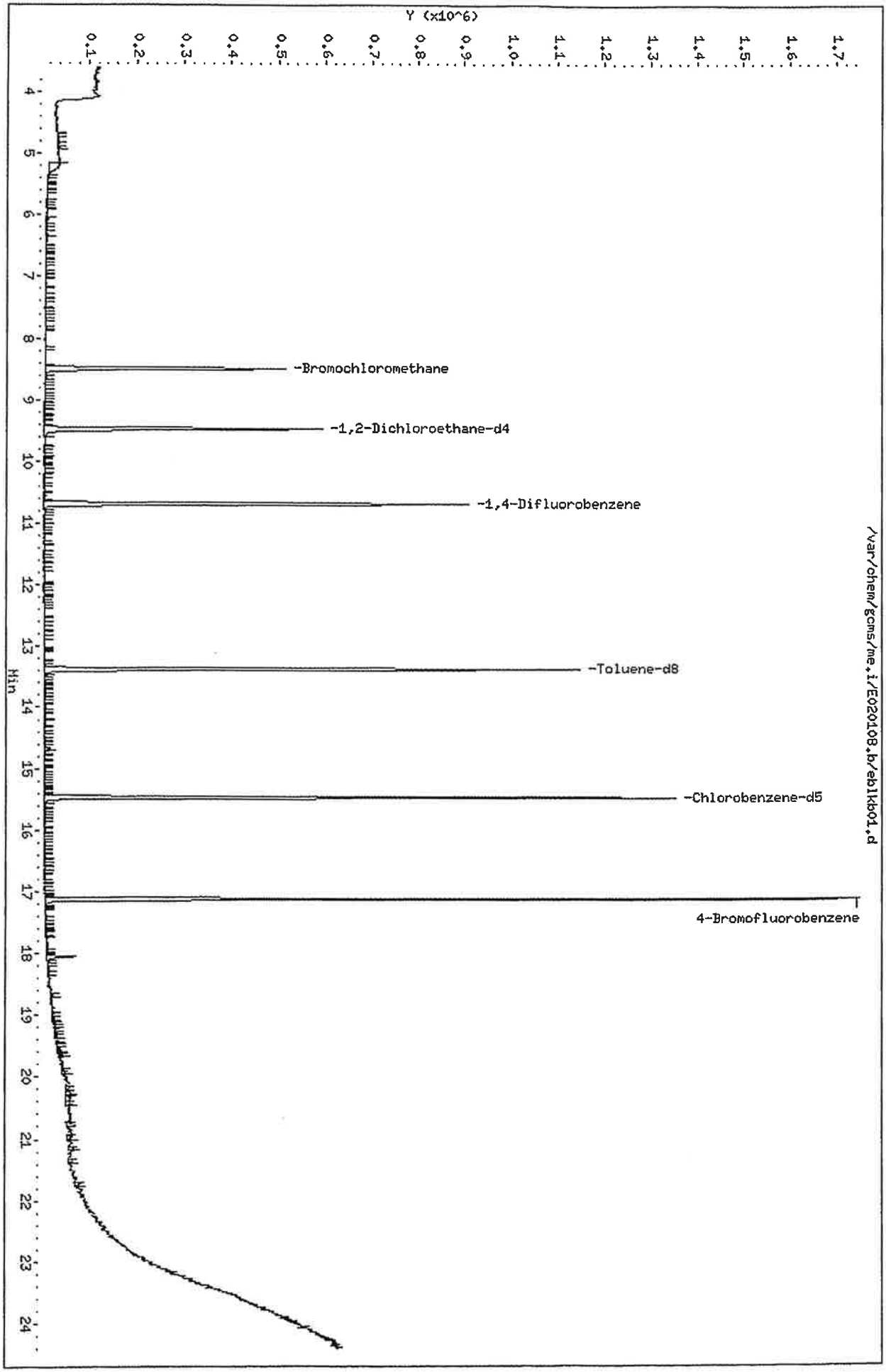
Client Name:
Sample Matrix: GAS
Lab Smp Id: KGHGJ1AA
Level: LOW
Data Type: MS DATA
SpikeList File: all.spk
Sublist File: korkay.sub
Method File: /var/chem/gcms/me.i/E020108.b/TO155.m
Misc Info: E020108,TO155,,,

Client SDG: H8B040000
Fraction: OTHER
Client Smp ID: INTRA-LAB BLANK
Operator: 7126
SampleType: METHOD BLANK
Quant Type: ISTD

SURROGATE COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
$ 4 1,2-Dichloroethane	4.000	4.418	110.45	70-130
$ 5 Toluene-d8	4.000	4.114	102.86	70-130
$ 6 4-Bromofluorobenze	4.000	3.830	95.75	70-130

Data File: /var/chem/gcms/me.i/E020108.b/eblkb01.d
Date : 01-FEB-2008 12:28
Client ID: INTRA-LAB BLANK
Sample Info: KGHGJAA,,3,,,BLANK
Purge Volume: 500.0
Column phase: HP-5

Instrument: me.i
Operator: 7126
Column diameter: 0.32



Data File: /var/chem/gcms/me.i/E020108.b/eblkb01.d
Report Date: 04-Feb-2008 11:07

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file	: /var/chem/gcms/me.i/E020108.b/eblkb01.d		
Lab Smp Id	: KGHGJ1AA	Client Smp ID:	INTRA-LAB BLANK
Inj Date	: 01-FEB-2008 12:28		
Operator	: 7126	Inst ID:	me.i
Smp Info	: KGHGJ1AA,,3,,,BLANK		
Misc Info	: E020108,TO155,,,		
Comment	:		
Method	: /var/chem/gcms/me.i/E020108.b/TO155.m		
Meth Date	: 04-Feb-2008 11:05 layk	Quant Type:	ISTD
Cal Date	: 16-JAN-2008 18:51	Cal File:	eica169r.d
Als bottle:	6	QC Sample:	METHOD BLANK
Dil Factor:	1.00000		
Integrator:	HP RTE	Compound Sublist:	korkay.sub
Target Version:	3.50		
Processing Host:	qmidhp01		

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

New York State D.E.C.

Client Sample ID: CHECK SAMPLE

GC/MS Volatiles

Lot-Sample # H8B040000 - 067C **Work Order #** KGHGJ1AC **Matrix.....:** AIR

Prep Date.....: 2/1/08
Prep Batch #.....: 8035067
Dilution Factor.: 1

Date Received..: 1/31/08
Analysis Date... 2/1/08

Method.....: TO-15

PARAMETER	SPIKE AMOUNT (ppb(v/v))	MEASURED AMOUNT (ppb(v/v))	SPIKE AMOUNT (ug/m3)	MEASURED AMOUNT (ug/m3)	PERCENT RECOVERY	RECOVERY LIMITS
Benzene	10.0	6.97	32	22	70	70 - 130
Toluene	10.0	7.20	38	27	72	70 - 130
Trichloroethene	10.0	10.1	54	54	101	70 - 130
Chlorobenzene	10.0	8.87	46	41	89	70 - 130
1,1-Dichloroethene	10.0	9.14	40	36	91	70 - 130

SURROGATE	PERCENT RECOVERY	LABORATORY CONTROL LIMITS (%)
1,2-Dichloroethane-d4	114	70 - 130
Toluene-d8	102	70 - 130
4-Bromofluorobenzene	107	70 - 130

The 'Result' in ug/m3 is calculated using the following equation: Amount Found(before rounding)*(Molecular Weight/24.45)

The 'Reporting Limit' in ug/m3 is calculated using the following equation: (Reporting Limit(before rounding) * Dilution Factor) * (Molecular Weight/24.45)

Data File: /var/chem/gcms/me.i/E020108.b/elcsb01.d
Report Date: 04-Feb-2008 10:52

TestAmerica Knoxville

Modified Method TO-14/TO-15

Data file : /var/chem/gcms/me.i/E020108.b/elcsb01.d
Lab Smp Id: KGHGJ1AC Client Smp ID: LCS
Inj Date : 01-FEB-2008 10:26
Operator : 7126 Inst ID: me.i
Smp Info : KGHGJ1AC,,3,,,LCS
Misc Info : E020108,TO155,,,
Comment :
Method : /chem/gcms/me.i/E020108.b/TO155.m
Meth Date : 04-Feb-2008 10:05 layk Quant Type: ISTD
Cal Date : 16-JAN-2008 18:51 Cal File: eica169r.d
Als bottle: 1 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: qmidhp01

Concentration Formula: Amt * DF * Vt/Vo * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	500.00000	default calibration
Vo	200.00000	default sample volume

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
*	1 Bromochloromethane	128	8.502	8.502	(1.000)	131818	4.00000	4.000
*	2 1,4-Difluorobenzene	114	10.697	10.697	(1.000)	639780	4.00000	4.000
*	3 Chlorobenzene-d5	117	15.469	15.469	(1.000)	594036	4.00000	4.000
$	4 1,2-Dichloroethane-d4	67	9.482	9.482	(0.886)	249694	4.56196	11.40
$	5 Toluene-d8	98	13.376	13.376	(0.865)	716978	4.08344	10.21
$	6 4-Bromofluorobenzene	95	17.126	17.126	(1.107)	650425	4.28449	10.71
	7 Chlorodifluoromethane	67	3.715	3.715	(0.437)	100907	4.21927	10.55
	8 Propene	41	3.725	3.725	(0.438)	171987	3.80644	9.516
	9 Dichlorodifluoromethane	85	3.774	3.774	(0.444)	986964	4.54312	11.36
	10 Chloromethane	52	3.935	3.935	(0.463)	66937	3.56159	8.904
	11 1,2-Dichlorotetrafluoroethane	135	3.946	3.946	(0.464)	398295	4.11975	10.30
	12 Methanol	31	4.054	4.054	(0.477)	62650	4.26505	10.66
	13 Vinyl Chloride	62	4.097	4.097	(0.482)	247123	3.95772	9.894
	14 n-Butane	43	4.177	4.177	(0.491)	331982	3.70314	9.258
	15 1,3-Butadiene	54	4.172	4.172	(0.491)	163667	3.94370	9.859

Data File: /var/chem/gcms/me.i/E020108.b/elcsb01.d
Report Date: 04-Feb-2008 10:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	CONCENTRATIONS FINAL (ppb(v/v))
16 Bromomethane	94	4.462	4.462	(0.525)	234013	4.24764	10.62
17 Chloroethane	64	4.591	4.591	(0.540)	115325	4.27829	10.70
18 Vinyl Bromide	106	4.866	4.866	(0.572)	213268	4.19249	10.48
19 2-methyl butane	43	4.925	4.925	(0.579)	251035	3.15603	7.890
20 Trichlorofluoromethane	101	5.119	5.119	(0.602)	912796	4.51779	11.29
21 Acrolein	56	5.124	5.124	(0.603)	59057	3.34473	8.362
22 Acetonitrile	40	5.183	5.183	(0.610)	66848	3.48454	8.711
23 Acetone	58	5.242	5.242	(0.617)	108710	6.10093	15.25(R)
24 Pentane	72	5.334	5.334	(0.627)	39769	3.87033	9.676
25 Isopropyl Alcohol	45	5.307	5.307	(0.624)	391863	3.92638	9.816
26 Ethyl Ether	31	5.495	5.495	(0.646)	206810	3.94470	9.862
27 1,1-Dichloroethene	96	5.770	5.770	(0.679)	156937	3.65411	9.135
28 Acrylonitrile	53	5.866	5.866	(0.690)	107388	3.88749	9.719
29 tert-butanol	59	5.866	5.866	(0.690)	563192	3.65550	9.139
30 1,1,2-Trichlorotrifluoroethane	101	5.953	5.953	(0.700)	395893	4.06786	10.17
31 Methylene Chloride	84	6.087	6.087	(0.716)	159567	3.33612	8.340
32 3-Chloropropene	39	6.109	6.109	(0.718)	221306	4.17723	10.44
33 Carbon Disulfide	76	6.232	6.232	(0.733)	663808	3.80259	9.506
35 trans-1,2-Dichloroethene	96	6.856	6.856	(0.806)	188386	3.81290	9.532
36 Methyl-t-Butyl Ether	73	7.018	7.018	(0.825)	638034	3.30404	8.260
37 1,1-Dichloroethane	63	7.254	7.254	(0.853)	358542	3.76784	9.420
38 Vinyl Acetate	43	7.378	7.378	(0.868)	416925	3.99729	9.993
39 Hexane	56	7.841	7.841	(0.922)	164400	3.14629	7.866
40 2-Butanone	72	7.819	7.819	(0.920)	84898	4.00987	10.02
41 cis 1,2-Dichloroethene	96	8.196	8.196	(0.964)	153251	3.56524	8.913
42 Ethyl Acetate	45	8.427	8.427	(0.991)	54388	3.93287	9.832
43 Chloroform	83	8.524	8.524	(1.003)	509570	4.10986	10.27
44 Tetrahydrofuran	42	8.965	8.965	(1.054)	179874	3.73967	9.349
45 1,1,1-Trichloroethane	97	9.535	9.535	(1.121)	587306	4.34695	10.87
46 1,2-Dichloroethane	62	9.632	9.632	(0.900)	364709	3.37101	8.428
47 Benzene	78	10.122	10.122	(0.946)	428338	2.78974	6.974(R)
48 1-Butanol	31	10.127	10.127	(0.947)	64763	2.44922	6.123(R)
49 Cyclohexane	69	10.132	10.132	(0.947)	104753	3.29913	8.248
50 Carbon Tetrachloride	117	10.149	10.149	(0.949)	686456	4.56609	11.42
51 2,2,4-trimethylpentane	57	10.950	10.950	(1.024)	878395	3.23637	8.091
52 Heptane	43	11.332	11.332	(1.059)	345056	3.23201	8.080
53 1,2-Dichloropropane	63	11.364	11.364	(1.062)	164131	3.42674	8.567
54 Trichloroethene	130	11.402	11.402	(1.066)	195610	4.05397	10.13
55 Dibromomethane	93	11.461	11.461	(1.071)	239266	3.68447	9.211
56 Bromodichloromethane	83	11.623	11.623	(1.086)	542738	3.96459	9.911
57 1,4-dioxane	88	11.676	11.676	(1.092)	107014	3.69913	9.248
58 Methyl Methacrylate	41	11.779	11.779	(1.101)	263382	3.93822	9.846
59 4-Methyl-2-pentanone	43	12.645	12.645	(1.182)	402076	3.80683	9.517
60 cis-1,3-Dichloropropene	75	12.655	12.655	(1.183)	297494	3.58281	8.957
61 trans-1,3-Dichloropropene	75	13.366	13.366	(0.864)	353927	3.61534	9.038
62 Toluene	91	13.489	13.489	(0.872)	496320	2.88028	7.201
63 1,1,2-Trichloroethane	97	13.559	13.559	(0.877)	176838	3.58279	8.957

Data File: /var/chem/gcms/me.i/E020108.b/elcsb01.d
Report Date: 04-Feb-2008 10:52

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb(v/v))	FINAL (ppb(v/v))
64 2-Hexanone	58	13.995	13.995	(0.905)	162503	3.46379	8.659
65 Octane	85	14.237	14.237	(0.920)	186397	3.15989	7.900
66 Dibromochloromethane	129	14.248	14.248	(0.921)	388484	3.78099	9.452
67 1,2-Dibromoethane	107	14.549	14.549	(0.941)	278894	3.10812	7.770
68 Tetrachloroethene	129	14.635	14.635	(0.946)	208064	3.97179	9.929
69 Chlorobenzene	112	15.517	15.517	(1.003)	367694	3.54754	8.869
70 Ethylbenzene	91	15.824	15.824	(1.023)	762141	3.22221	8.056
71 m&p-Xylene	91	15.991	15.991	(1.034)	1279418	7.15265	17.88
72 Bromoform	173	16.400	16.400	(1.060)	426621	3.94352	9.859
73 Nonane	57	16.459	16.459	(1.064)	375254	2.92256	7.306
74 Styrene	104	16.448	16.448	(1.063)	367375	3.10167	7.754
75 o-Xylene	91	16.513	16.513	(1.067)	664450	3.26654	8.166
76 1,1,2,2-Tetrachloroethane	83	16.825	16.825	(1.088)	446457	3.78225	9.456
77 1,2,3-Trichloropropane	110	16.991	16.991	(1.098)	137055	4.16242	10.41
78 Cumene	105	17.115	17.115	(1.106)	840314	3.20742	8.018
80 n-Propylbenzene	120	17.664	17.664	(1.142)	193144	3.33766	8.344
82 2-chlorotoluene	126	17.691	17.691	(1.144)	165699	3.76380	9.409
83 4-Ethyltoluene	105	17.820	17.820	(1.152)	838099	3.30589	8.265
84 1,3,5-Trimethylbenzene	120	17.901	17.901	(1.157)	267161	3.14770	7.869
85 Alpha-Methylstyrene	118	18.127	18.127	(1.172)	206668	2.89773	7.244
87 Decane	57	18.229	18.229	(1.178)	456432	3.05920	7.648
88 Tert-butylbenzene	119	18.331	18.331	(1.185)	703052	3.86057	9.651
89 1,2,4-Trimethylbenzene	105	18.342	18.342	(1.186)	715591	3.44779	8.619
90 sec-butylbenzene	105	18.605	18.605	(1.203)	972673	3.37255	8.431
91 1,3-Dichlorobenzene	146	18.595	18.595	(1.202)	378371	3.59521	8.988
92 Benzyl Chloride	91	18.675	18.675	(1.207)	723465	4.00756	10.02
93 1,4-Dichlorobenzene	146	18.686	18.686	(1.208)	369423	3.58395	8.960
94 p-Cymene	119	18.777	18.777	(1.214)	775920	3.40863	8.522
96 1,2-Dichlorobenzene	146	19.046	19.046	(1.231)	349070	3.62809	9.070
97 n-butylbenzene	91	19.213	19.213	(1.242)	846033	3.38088	8.452
98 Undecane	57	19.568	19.568	(1.265)	459552	2.97880	7.447
101 Dodecane	57	20.639	20.639	(1.334)	365920	4.01027	10.02
102 1,2,4-Trichlorobenzene	180	20.768	20.768	(1.343)	292414	3.66830	9.171
103 Napthalene	128	20.902	20.902	(1.351)	485640	3.63102	9.078
104 Hexachlorobutadiene	225	21.139	21.139	(1.367)	472174	3.79077	9.477
105 1,2,3-trichlorobenzene	180	21.193	21.193	(1.370)	285431	4.12347	10.31

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

Data File: /var/chem/gcms/me.i/E020108.b/elcsb01.d
Report Date: 04-Feb-2008 10:52

TestAmerica Knoxville

INTERNAL STANDARD COMPOUNDS
AREA AND RT SUMMARY

Instrument ID: me.i
Lab File ID: elcsb01.d
Lab Smp Id: KGHGJ1AC
Analysis Type: OTHER
Quant Type: ISTD
Operator: 7126
Method File: /chem/gcms/me.i/E020108.b/TO155.m
Misc Info: E020108,TO155,,,

Calibration Date: 01-FEB-2008
Calibration Time: 10:26
Client Smp ID: LCS
Level: LOW
Sample Type: AIR

COMPOUND	STANDARD	AREA LIMIT LOWER	AREA LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	131818	78432	185204	131818	0.00
2 1,4-Difluorobenze	639780	380669	898891	639780	0.00
3 Chlorobenzene-d5	594036	353451	834621	594036	0.00

COMPOUND	STANDARD	RT LIMIT LOWER	RT LIMIT UPPER	SAMPLE	%DIFF
1 Bromochloromethan	8.50	8.17	8.83	8.50	0.00
2 1,4-Difluorobenze	10.70	10.37	11.03	10.70	0.00
3 Chlorobenzene-d5	15.47	15.14	15.80	15.47	0.00

AREA UPPER LIMIT = + 40% of internal standard area.
AREA LOWER LIMIT = - 40% of internal standard area.
RT UPPER LIMIT = + 0.33 minutes of internal standard RT.
RT LOWER LIMIT = - 0.33 minutes of internal standard RT.

Data File: /var/chem/gcms/me.i/E020108.b/elcsb01.d
Report Date: 04-Feb-2008 10:52

TestAmerica Knoxville

RECOVERY REPORT

Client Name:
Client SDG: E020108
Sample Matrix: GAS
Fraction: OTHER
Lab Smp Id: KGHGJ1AC
Client Smp ID: LCS
Level: LOW
Operator: 7126
Data Type: MS DATA
SampleType: LCS
SpikeList File: all.spk
Quant Type: ISTD
Sublist File: all.sub
Method File: /chem/gcms/me.i/E020108.b/TO155.m
Misc Info: E020108,TO155,,,

SPIKE	COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
7	Chlorodifluorometh	10.00	10.55	105.48	70-130
8	Propene	10.00	9.516	95.16	70-130
9	Dichlorodifluorome	10.00	11.36	113.58	70-130
10	Chloromethane	10.00	8.904	89.04	70-130
11	1,2-Dichlorotetraf	10.00	10.30	102.99	70-130
12	Methanol	10.00	10.66	106.63	70-130
13	Vinyl Chloride	10.00	9.894	98.94	70-130
14	n-Butane	10.00	9.258	92.58	70-130
15	1,3-Butadiene	10.00	9.859	98.59	70-130
16	Bromomethane	10.00	10.62	106.19	70-130
17	Chloroethane	10.00	10.70	106.96	70-130
18	Vinyl Bromide	10.00	10.48	104.81	70-130
19	2-methyl butane	10.00	7.890	78.90	70-130
20	Trichlorofluoromet	10.00	11.29	112.94	70-130
21	Acrolein	10.00	8.362	83.62	70-130
22	Acetonitrile	10.00	8.711	87.11	70-130
23	Acetone	10.00	15.25	152.52*	70-130
24	Pentane	10.00	9.676	96.76	70-130
25	Isopropyl Alcohol	10.00	9.816	98.16	70-130
26	Ethyl Ether	10.00	9.862	98.62	70-130
27	1,1-Dichloroethene	10.00	9.135	91.35	70-130
29	tert-butanol	10.00	9.139	91.39	70-130
28	Acrylonitrile	10.00	9.719	97.19	70-130
30	1,1,2-Trichlorotri	10.00	10.17	101.70	70-130
31	Methylene Chloride	10.00	8.340	83.40	70-130
32	3-Chloropropene	10.00	10.44	104.43	70-130
33	Carbon Disulfide	10.00	9.506	95.06	70-130
34	2,3-Dimethyl butan	10.00	0.000	0.00*	70-130
35	trans-1,2-Dichloro	10.00	9.532	95.32	70-130
36	Methyl-t-Butyl Eth	10.00	8.260	82.60	70-130
37	1,1-Dichloroethane	10.00	9.420	94.20	70-130
38	Vinyl Acetate	10.00	9.993	99.93	70-130
40	2-Butanone	10.00	10.02	100.25	70-130

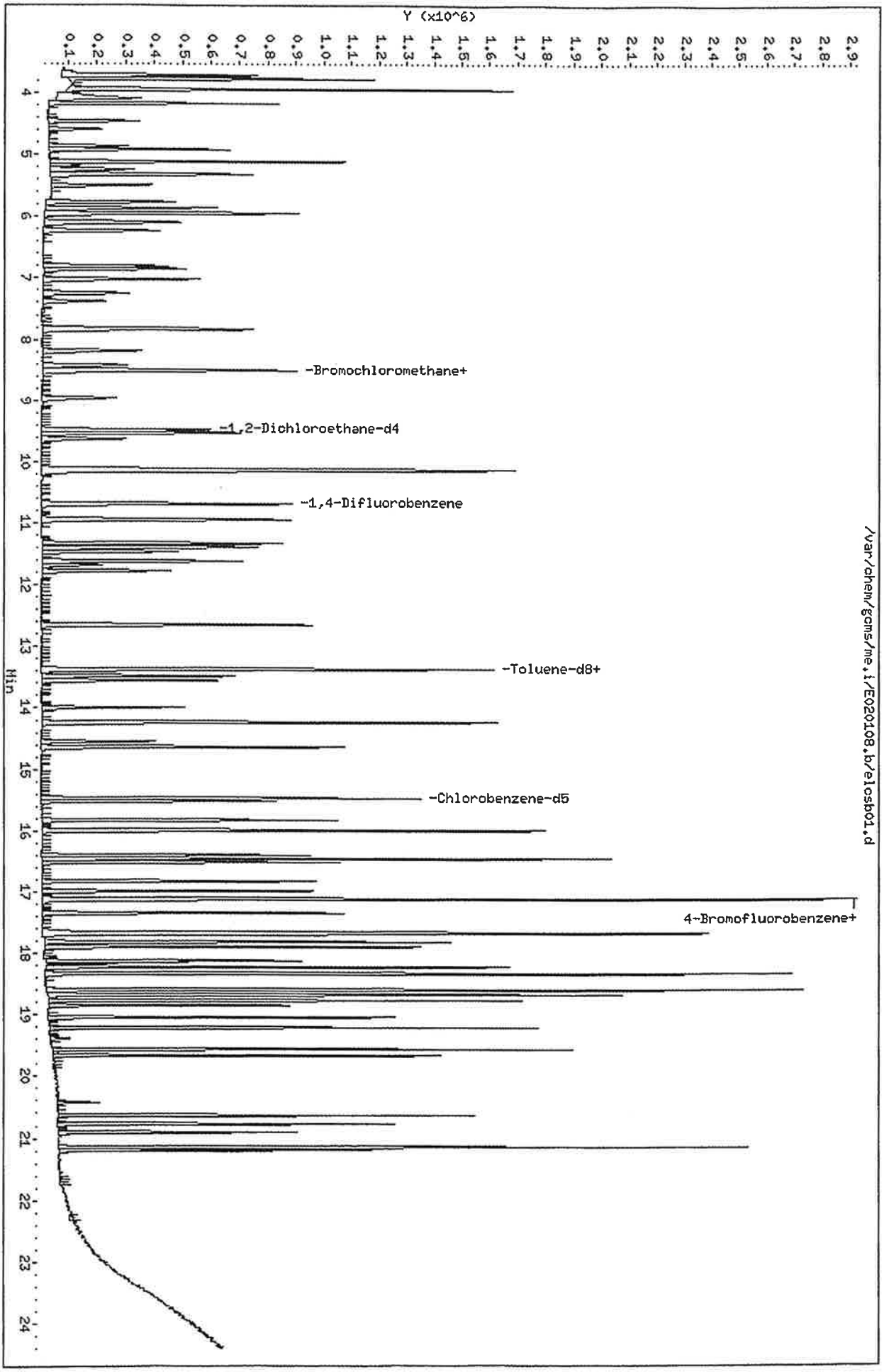
Data File: /var/chem/gcms/me.i/E020108.b/elcsb01.d
Report Date: 04-Feb-2008 10:52

SPIKE	COMPOUND	CONC ADDED ppb(v/v)	CONC RECOVERED ppb(v/v)	% RECOVERED	LIMITS
39	Hexane	10.00	7.866	78.66	70-130
41	cis 1,2-Dichloroet	10.00	8.913	89.13	70-130
42	Ethyl Acetate	10.00	9.832	98.32	70-130
43	Chloroform	10.00	10.27	102.75	70-130
44	Tetrahydrofuran	10.00	9.349	93.49	70-130
45	1,1,1-Trichloroeth	10.00	10.87	108.67	70-130
46	1,2-Dichloroethane	10.00	8.428	84.28	70-130
48	1-Butanol	10.00	6.123	61.23*	70-130
47	Benzene	10.00	6.974	69.74*	70-130
49	Cyclohexane	10.00	8.248	82.48	70-130
50	Carbon Tetrachlori	10.00	11.42	114.15	70-130
51	2,2,4-trimethylpen	10.00	8.091	80.91	70-130
52	Heptane	10.00	8.080	80.80	70-130
53	1,2-Dichloropropan	10.00	8.567	85.67	70-130
54	Trichloroethene	10.00	10.13	101.35	70-130
55	Dibromomethane	10.00	9.211	92.11	70-130
56	Bromodichlorometha	10.00	9.911	99.11	70-130
57	1,4-dioxane	10.00	9.248	92.48	70-130
58	Methyl Methacrylat	10.00	9.846	98.46	70-130
59	4-Methyl-2-pentano	10.00	9.517	95.17	70-130
60	cis-1,3-Dichloropr	10.00	8.957	89.57	70-130
61	trans-1,3-Dichloro	10.00	9.038	90.38	70-130
62	Toluene	10.00	7.201	72.01	70-130
63	1,1,2-Trichloroeth	10.00	8.957	89.57	70-130
64	2-Hexanone	10.00	8.659	86.59	70-130
65	Octane	10.00	7.900	79.00	70-130
66	Dibromochlorometha	10.00	9.452	94.52	70-130
67	1,2-Dibromoethane	10.00	7.770	77.70	70-130
68	Tetrachloroethene	10.00	9.929	99.29	70-130
69	Chlorobenzene	10.00	8.869	88.69	70-130
70	Ethylbenzene	10.00	8.056	80.56	70-130
71	m&p-Xylene	20.00	17.88	89.41	70-130
73	Nonane	10.00	7.306	73.06	70-130
72	Bromoform	10.00	9.859	98.59	70-130
74	Styrene	10.00	7.754	77.54	70-130
75	o-Xylene	10.00	8.166	81.66	70-130
76	1,1,2,2-Tetrachlor	10.00	9.456	94.56	70-130
77	1,2,3-Trichloropro	10.00	10.41	104.06	70-130
78	Cumene	10.00	8.018	80.19	70-130
79	a-Pinene	10.00	0.000	0.00*	70-130
80	n-Propylbenzene	10.00	8.344	83.44	70-130
81	Camphene	10.00	0.000	0.00*	70-130
82	2-chlorotoluene	10.00	9.409	94.09	70-130
83	4-Ethyltoluene	10.00	8.265	82.65	70-130
84	1,3,5-Trimethylben	10.00	7.869	78.69	70-130
85	Alpha-Methylstyren	10.00	7.244	72.44	70-130
86	b-Pinene	10.00	0.000	0.00*	70-130

Data File: /var/chem/gcms/me.i/E020108.b/elcsb01.d
Report Date: 04-Feb-2008 10:52

SPIKE COMPOUND	CONC ADDED ppb (v/v)	CONC RECOVERED ppb (v/v)	% RECOVERED	LIMITS
87 Decane	10.00	7.648	76.48	70-130
88 Tert-butylbenzene	10.00	9.651	96.51	70-130
89 1,2,4-Trimethylben	10.00	8.619	86.19	70-130
90 sec-butylbenzene	10.00	8.431	84.31	70-130
91 1,3-Dichlorobenzen	10.00	8.988	89.88	70-130
92 Benzyl Chloride	10.00	10.02	100.19	70-130
93 1,4-Dichlorobenzen	10.00	8.960	89.60	70-130
94 p-Cymene	10.00	8.522	85.22	70-130
95 d-Limonene	10.00	0.000	0.00*	70-130
96 1,2-Dichlorobenzen	10.00	9.070	90.70	70-130
97 n-butylbenzene	10.00	8.452	84.52	70-130
98 Undecane	10.00	7.447	74.47	70-130
100 Camphor	10.00	0.000	0.00*	70-130
99 4-tert-Butyltoluen	10.00	0.000	0.00*	70-130
101 Dodecane	10.00	10.02	100.26	70-130
102 1,2,4-Trichloroben	10.00	9.171	91.71	70-130
103 Napthalene	10.00	9.078	90.78	70-130
104 Hexachlorobutadien	10.00	9.477	94.77	70-130
105 1,2,3-trichloroben	10.00	10.31	103.09	70-130

SURROGATE COMPOUND	CONC ADDED ppb (v/v)	CONC RECOVERED ppb (v/v)	% RECOVERED	LIMITS
$ 4 1,2-Dichloroethane	10.00	11.40	114.05	70-130
$ 5 Toluene-d8	10.00	10.21	102.09	70-130
$ 6 4-Bromofluorobenze	10.00	10.71	107.11	70-130


Data File: /var/chem/gcms/me.i/E020108.b/elcsb01.d
Date : 01-FEB-2008 10:26
Client ID: LCS
Sample Info: KGHGJ1AC,,3,,,LCS
Purge Volume: 200.0
Column phase: HP-5
Instrument: me.i
Operator: 7126
Column diameter: 0.32
Y (x10^6)
-Bromochloromethane+
-1,2-Dichloroethane-d4
-1,4-Difluorobenzene
-Toluene-d8+
-Chlorobenzene-d5
4-Bromofluorobenzene+
/var/chem/gcms/me.i/E020108.b/elcsb01.d
Min

Miscellaneous Data

TestAmerica Knoxville GC/MS Air Data Review / Narrative Checklist **Lot/Project # H8A310110**

Method: TO-14 and TO-15 - KNOX-MS-0001, Rev 9

Instrument:	ME	
Scanned File:	E0116087	
	E020108	

Review Items A. Tune / Continuing Calibration	N/A	Yes	No	Why is data reportable?	2nd
1. Were all samples injected within 24 hr of BFB?		✓			✓
2. Has a Continuing Calibration Checklist been completed for each analytical batch?		✓			✓
3. Was the correct ICAL used for quantitation?		✓			✓
B. CLIENT SAMPLE AND QC SAMPLE Results	**N/A**	**Yes**	**No**	**Why is data reportable?**	**2nd**
1. Were all special project requirements met?		✓			✓
2. Were dilution factors/can prep information verified?		✓			✓
3. Have the can number & lab ID been verified between the analysis log & sample prep log?		✓			✓
4. Were samples received in cans?		✓		_ [Tedlar1] Samples rec'd on (date) in Tedlar bags & ana by TO-14 (TO-15) within 72 hours from sampling. _ [Tedlar2] Samples rec'd on (date) in Tedlar bags & transferred into Summa canisters within 72 hours.	✓
5. Sample analyses done within analytical holding time (HT)? *If no, list samples:* _____		✓		_ [ht2] Client requested analysis after HT expired. _ Other: _____	✓
6. Are surrogates and internal standards within QC limits? (70-130% R for surr.; 60-140%R from CCAL for IS) *If no, list samples/reason (e.g.,* sur1*):* Sample / Reason / Sample / Reason _____ / _____ / _____ / _____ _____ / _____ / _____ / _____		✓		_ [sur1] DUP surr. %R demonstrated same effect. _ [sur2] Reanalysis demonstrated same effect. _ [sur5] At client's request, data was flagged as estimated & released without further investigation. _ [is1] Per client, reanalysis was not performed _ [is2] Reanalysis confirmed a matrix effect. _ Obvious matrix effect	✓
7. Were all positive results and false negatives on quan report verified to be correct in LIMS?		✓			✓
8. For dilutions, is highest concentration hit ≥ 20% cal range and not above calibration range? *List samples and reason (e.g.,* elev1*):* Sample / Reason / Sample / Reason _____ / _____ / _____ / _____ _____ / _____ / _____ / _____ _____ / _____ / _____ / _____	✓	✓ 020408		_ [elev1] Elevated RL for (ANALYTE) due to sample matrix interferences. _ [elev3] Elevated RLs for all analytes due to difficult sample matrix. _ [elev4] Elevated RLs based on screening _ [elev5] Elevated RLs for all analytes due to presence of non-target compounds.	NA
9. If manual integrations were performed, are they clearly identified, initialed, dated and reason given?	✓			Reasons: 1)Corrected split peak; 2)Unresolved peak; 3)tailing; 4)RT shift; 5)wrong peak selected; 6)other	NA
10. Have alternate hits/manual integrations been verified as correct?	✓				NA
C. Preparation QC	**N/A**	**Yes**	**No**		**2nd**
1. System blank run every 24 hours prior to samples?		✓			✓
2. System blank surrogate recoveries within QC limits (70-130% R) ?		✓		_ [mb1] All sample surrogates OK and there is no analyte >RL in samples associated with blank.	✓
3. Are all analytes present in the system blank < RL? *If no, list blank ID:* _____		✓		_ [mb3] No analyte > RL in associated samples. _ [mb4] Sample results > 20x higher than blank.	✓
4. DUP done per 20 samples and are all RPDs within limits? (for target analytes >5x RL, <25% RPD; no criteria for methanol and n-butanol) *If no, list DUP ID:* _____		✓			✓
5. Are all LCS analytes on final report within limits?		✓		_ [LCS6] Flagged out but within SOP limits. LCS ID: _____	✓
D. Other	**N/A**	**Yes**	**No**		**2nd**
1. Final report acceptable? (Results correct, RLs calculated correctly, units correct, surrogate %R correct, appropriate flags used, dilution factor correct, analysis dates correct.)		✓			✓
2. Are all nonconformances documented appropriately and copy included with deliverable?	✓				NA
3. Were the standards scanned properly?		✓			✓
4. Was a narrative prepared and all deviations noted?		✓			✓
5. TO14A Autotext included in narrative (for TO14A samples only).	✓			_ [TO14]	NA
6. All target analytes on c.cal >30%D but <40%D noted in the narrative?	✓			_ [ccal] The ccal exhibited a %D ICAL >30% but ≤40% for the following analytes: _____	NA

Analyst: [signature]	Date: 2-4-08	2nd Level Reviewer: [signature]	Date: 020408
Comments:		Comments:	

RQC058

TestAmerica Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 2/04/08
Time: 7:01:32

LEV 1	LEV 2		LEV 1	LEV 2	
_	_	Blank	_	_	Weights/Volumes
_	_	Check	_	_	Spike & Surrogate Worksheet
_	_	MS/MSD	_	_	Vial contains correct volume
			_	_	Labels, greenbars, worksheets
					computer batch: correct & all match
			_	_	Anomalies to Extraction Method

_ Expanded Deliverable
_ COC Completed
_ Bench Sheet Copied
_ Package Submitted to AnalyticalGroup
_ Bench Sheet Copied per COC

Extractionist: _____

Concentrationist: _____

****
* *
* QC BATCH: 8035067 *
* *
****

PREP DATE: 2/01/08
COMP DATE: 2/02/08

Reviewer/Date: _____ / 0/00/00

Volatile Organics by GC/MS TO-15 low-level ppbv/v
NO SAMPLE PREPARATION PERFORMED / DIRECT INJECTION

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT	PH"S ADJ1	PH"S ADJ2	SOLVENTS EXTRACTION	SOLVENTS VOL	SOLVENTS EXCHANGE	SOLVENTS VOL	SPIKE STANDARD/ SURROGATE ID
0/00/00	2/11/08	H8A310110-001 **KGCR2-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	2/11/08	H8A310110-002 **KGCR4-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	2/11/08	H8A310110-003 **KGCR6-1-AA**	DR	88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	H8B040000-067 **KGHGJ-1-AAB**		88	7M	AIR	mL	NA	NA	NA		.0		.0	
COMMENTS:															
0/00/00	0/00/00	H8B040000-067 **KGHGJ-1-ACC**		88	7M	AIR	**40.00mL** 40.00mL	NA	NA	NA		.0		.0	
COMMENTS:															

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD

NUMBER OF WORK ORDERS IN BATCH: 5

Test America - Knoxville ---- Air Canister Dilution Record **Lot Number:** *H8A310110*

Initial Can Pressure							Subsequent Dilution											
Analyst/Date	Tedlar Bag Time	Pbarr (in)	Sample ID	Can #	Pres. upon receipt (-in or + psig)	Adj. Initial Pres. (-in or + psig)	Analyst/Date	I / S	Pbarr (in)	Initial Pres. Pi (in)	Final Pres. Pf (psig)	First InCan Final Pres. Pf (psig)	Second In-can Final Pres. Pf (psig)	Third InCan Final Pres. Pf (psig)	Serial Dilution Can #	Vol (mL)	Final Pres. Pf (psig)	Comments
AGL 1-31-08	NA	-	KGCR2	6352	0.0	—												
↓	↓	↓	KGCR4	6614	-0.7	↓												
↓	↓	↓	KGCR6	6394	-4.0													

Sample Receipt Documentation

TAL Knoxville
5815 Middlebrook Pike
Knoxville, TN 37921
phone 865-291-3000 fax 865-584-4315

H8A310110

Canister Samples Chain of Custody Record

TestAmerica assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact Information	Project Manager: JOHN STRANG, PE	Sampled By: STRANG	___ of ___ COCs
Company: NYSDEC	Phone: 518 402 9622		
Address: 625 BROADWAY	Site Contact: same		
City/State/Zip: ALBANY, NY 12233-7015	TAL Contact:		
Phone: 518 402 9622			
FAX: 518 402 9627			
Project Name: KORKAY	Analysis Turnaround Time		
Site/location: BROMDALBIN, NY	Standard (Specify) 30 DAYS		
PO# 518014	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	TO-14A	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
BASEMENT	01/29/08	0957	0949	-30	0	K106	6352	X							X				
FIRST FLOOR	01/29/08 01/30/08	1028	0946	-29	0	K166	6614	X							X				
BACKYARD	01/29/08 to 01/30/08	1050	1044	-29	-5	K133	6394	X								X			

Sampled by : JOHN STRANG NYSDEC

Temperature (Fahrenheit)	Interior	Ambient	
	BASEMENT	BACKYARD	FIRST FLOOR
Start	58° 1/29/08	30's 1/29/08	70° 1/29/08
Stop	1/30/08 62°	1/30/08 30"	1/30/08 70°

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

REC. AT AMBIENT
CUSTODY SEALS INTACT
1 BOX RH 1/31/08

Special Instructions/QC Requirements & Comments:

UPS #1Z129992221029546 9
3 CANS / 3 FLOWS

Canisters Shipped by: UPS Strang	Date/Time: 01/30/08 11:55	Canisters Received by:	
Samples Relinquished by: John Strang NYSDEC	Date/Time: 01/30/08 1155	Received by: Ryan Henry	1/31/08 0915
Relinquished by:	Date/Time:	Received by:	

Lab Use Only Shipper Name: Opened by: Condition:

TESTAMERICA KNOXVILLE SAMPLE RECEIPT/CONDITION UPON RECEIPT ANOMALY CHECKLIST

Client: _____ **Project:** _____ **Lot Number:** H8A310110

Review Items	Yes	No	NA	If No, what was the problem?	Comments/Actions Taken
1. Do sample container labels match COC? (IDs, Dates, Times)	✓			☐ 1a Do not match COC ☐ 1b Incomplete information ☐ 1c Marking smeared ☐ 1d Label torn ☐ 1e No label ☐ 1f COC not received ☐ 1g Other:	
2. Is the cooler temperature within limits? (> freezing temp. of water to 6 °C; NC, 1668, 1613B: 0-4°C; VOST: 10°C; MA: 2-6 °C)			✓	☐ 2a Temp Blank = _____ ☐ 2b Cooler Temp = _____	
3. Were samples received with correct chemical preservative (excluding Encore)?			✓	☐ 3a Sample preservative =	
4. Were custody seals present/intact on cooler and/or containers?	✓			☐ 4a Not present ☐ 4b Not intact ☐ 4c Other:	
5. Were all of the samples listed on the COC received?	✓			☐ 5a Samples received-not on COC ☐ 5b Samples not received-on COC	
6. Were all of the sample containers received intact?	✓			☐ 6a Leaking ☐ 6b Broken	
7. Were VOA samples received without headspace?			✓	☐ 7a Headspace (VOA only)	
8. Were samples received in appropriate containers?	✓			☐ 8a Improper container	
9. Did you check for residual chlorine, if necessary?			✓	☐ 9a Could not be determined due to matrix interference	
10. Were samples received within holding time?	✓			☐ 10a Holding time expired	
11. For rad samples, was sample activity info. provided?			✓	☐ Incomplete information	
12. For SOG water samples (1613B, 1668A, 8290, LR PAHs), do samples have visible solids present?			✓	If yes & appears to be >1%, was SOG notified? _____	
13. Are the shipping containers intact?	✓			☐ 13a Leaking ☐ 13b Other:	
14. Was COC relinquished? (Signed/Dated/Timed)	✓			☐ 14a Not relinquished	
15. Are tests/parameters listed for each sample?	✓			☐ 15a Incomplete information	
16. Is the matrix of the samples noted?	✓			☐ 15a Incomplete information	
17. Is the date/time of sample collection noted?	✓			☐ 15a Incomplete information	
18. Is the client and project name/# identified?	✓			☐ 15a Incomplete information	
19. Was the sampler identified on the COC?	✓				

Quote #: _____ PM Instructions: _____

Sample Receiving Associate: Ryan Henry Date: 1/31/08

QA026R19.doc, 080707