Data File: /chem/HP07566.i/06jan26b.b/rj26s09.d

Date : 26-JAN-2006 22:42

Client ID: 6010-

Sample Info: 6010-;4692572;2;0;;

Instrument: HP07566.i

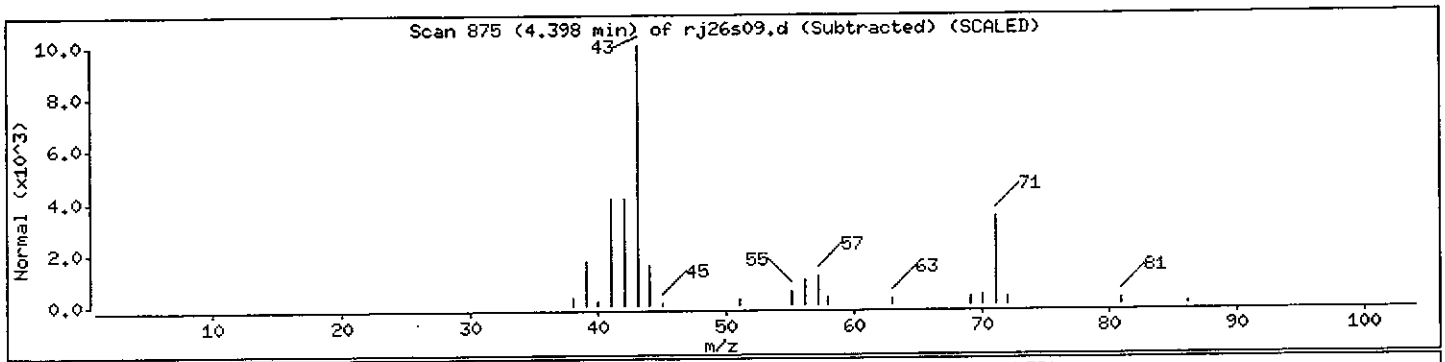
Operator: JHL01693

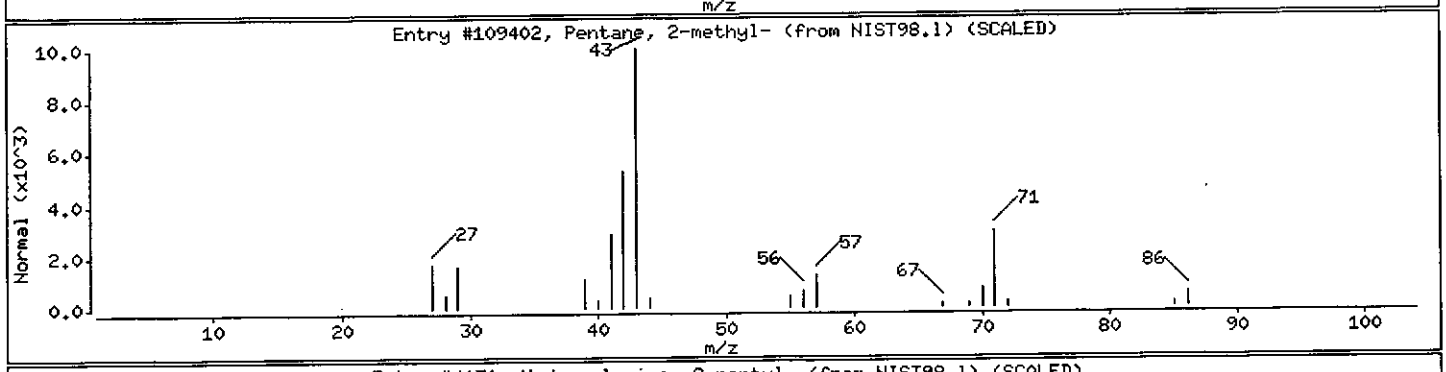
Column phase: DB-624

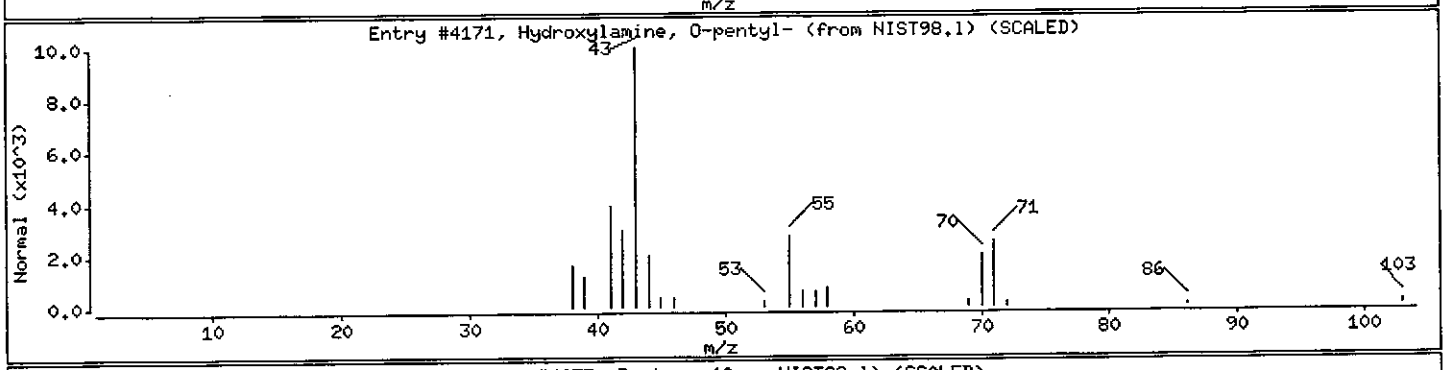
Column diameter: 0.25

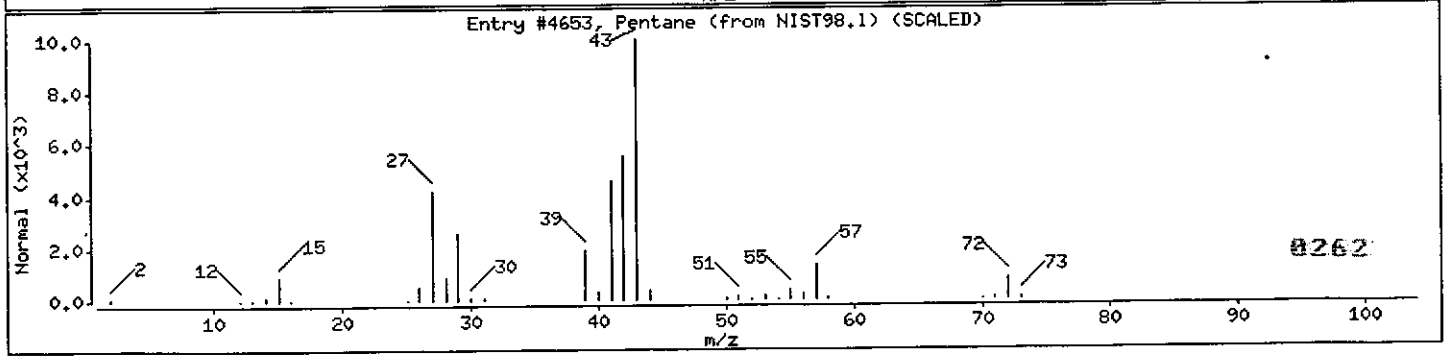
Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Pentane, 2-methyl-	107-83-5	NIST98.1	109402	72	C6H14	86
Hydroxylamine, O-pentyl-	5963-74-6	NIST98.1	4171	40	C5H13NO	103
Pentane	109-66-0	NIST98.1	4653	33	C5H12	72









Data File: /chem/HP07566.i/06jan26b.b/rj26s09.d

Date : 26-JAN-2006 22:42

Client ID: 6010-

Sample Info: 6010-;4692572;2;0;;

Instrument: HP07566.i

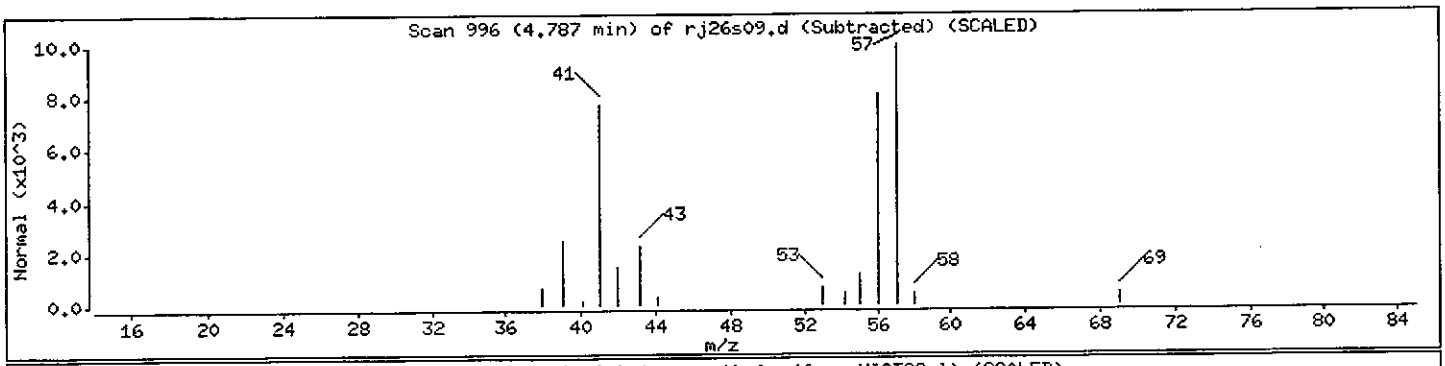
Operator: JML01693

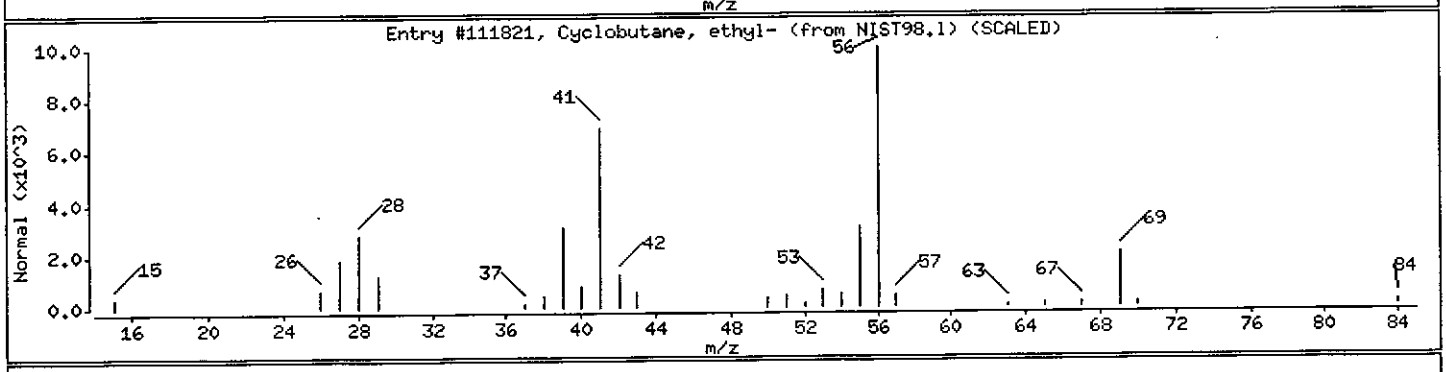
Column phase: DB-624

Column diameter: 0.25

Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclobutane, ethyl-	4806-61-5	NIST98.l	111821	39	C6H12	84





Data File: /chem/HP07566.i/06jan26b.b/rj26s09.d

Date : 26-JAN-2006 22:42

Client ID: 6010-

Sample Info: 6010-;4692572;2;0;;

Instrument: HP07566.i

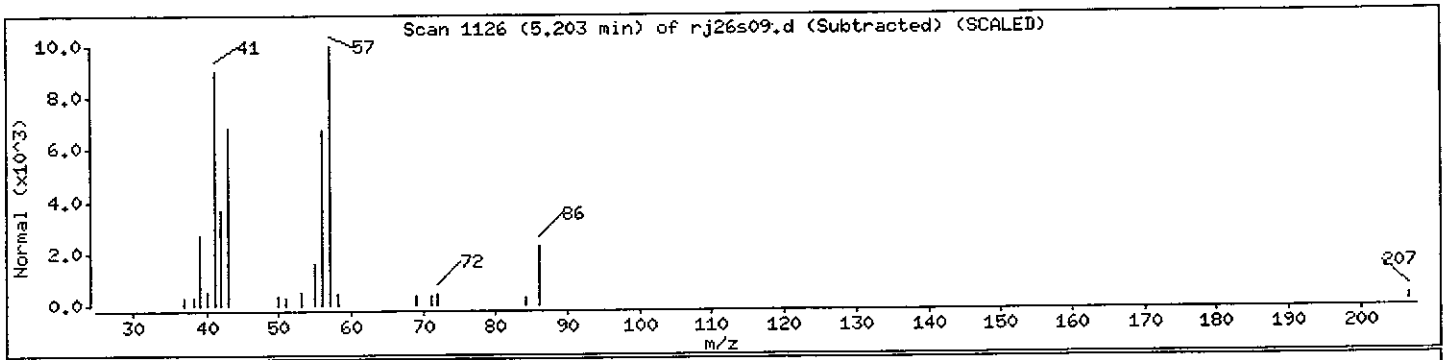
Operator: JML01693

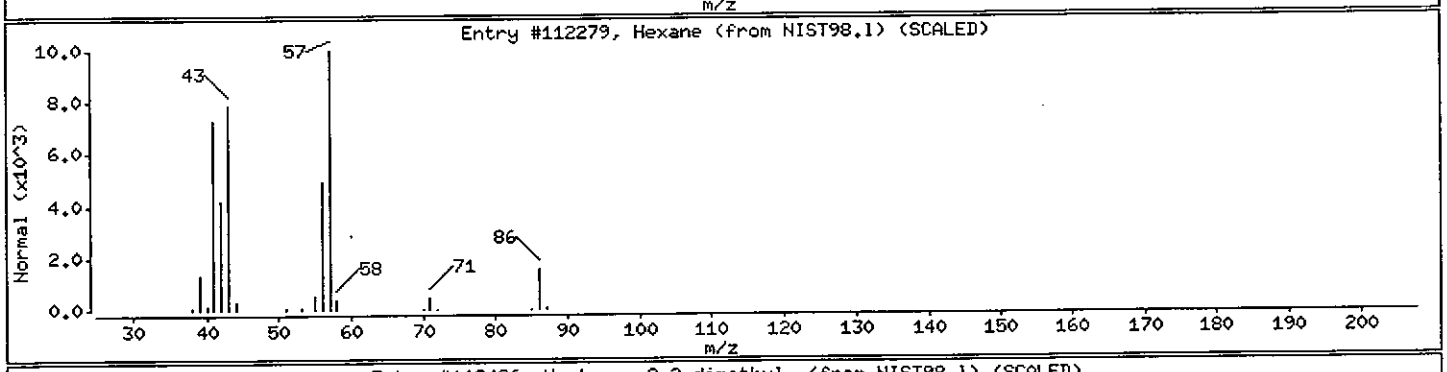
Column phase: DB-624

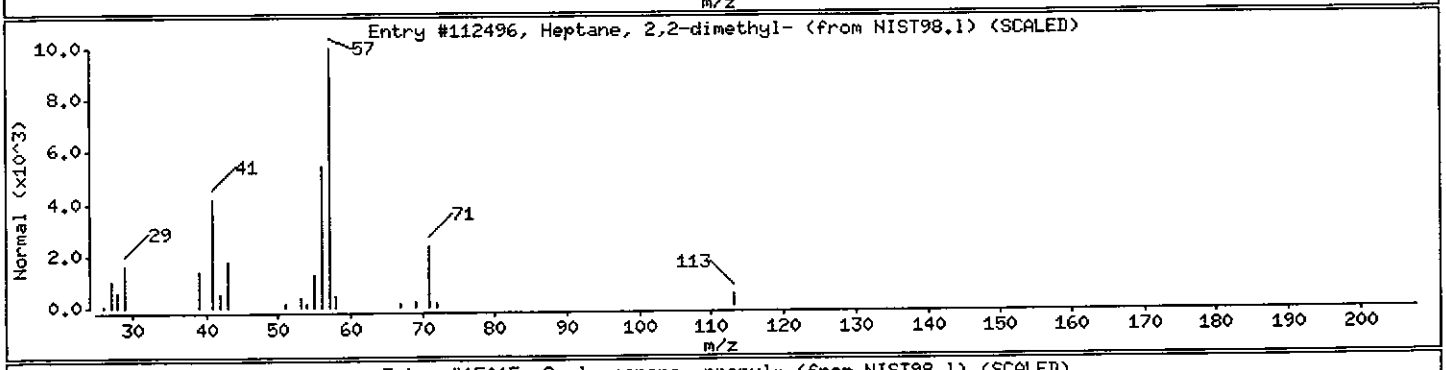
Column diameter: 0.25

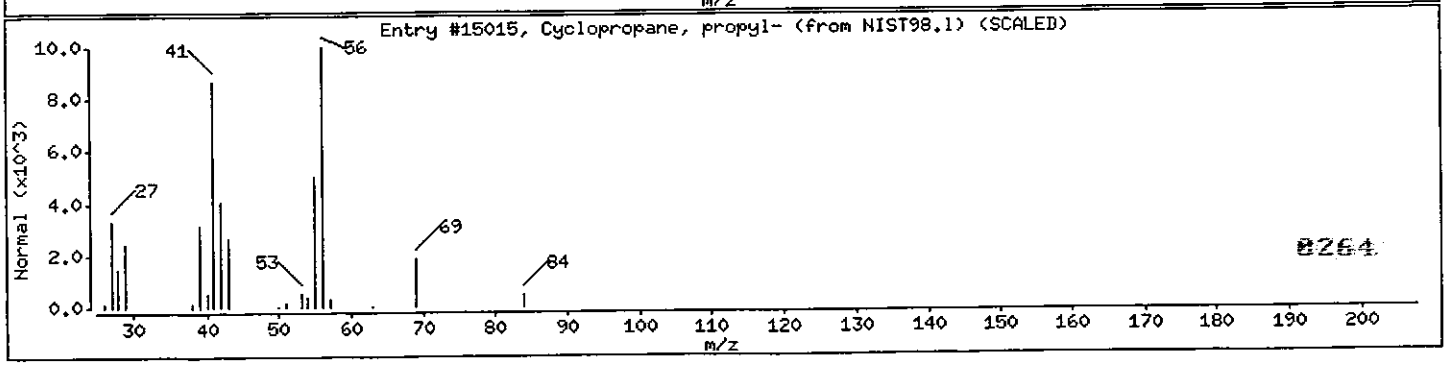
Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Hexane	110-54-3	NIST98.1	112279	78	C6H14	86
Heptane, 2,2-dimethyl-	1071-26-7	NIST98.1	112496	40	C9H20	128
Cyclopropane, propyl-	2415-72-7	NIST98.1	15015	38	C6H12	84









0264

Data File: /chem/HP07566.i/06jan26b.b/rj26s09.d

Date : 26-JAN-2006 22:42

Client ID: 6010-

Sample Info: 6010-;4692572;2;0;;

Instrument: HP07566.i

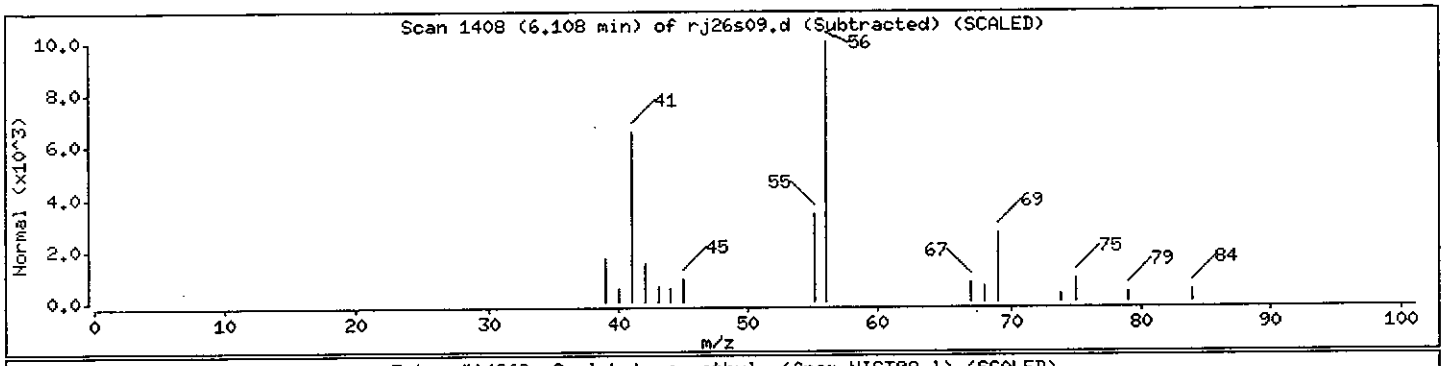
Operator: JML01693

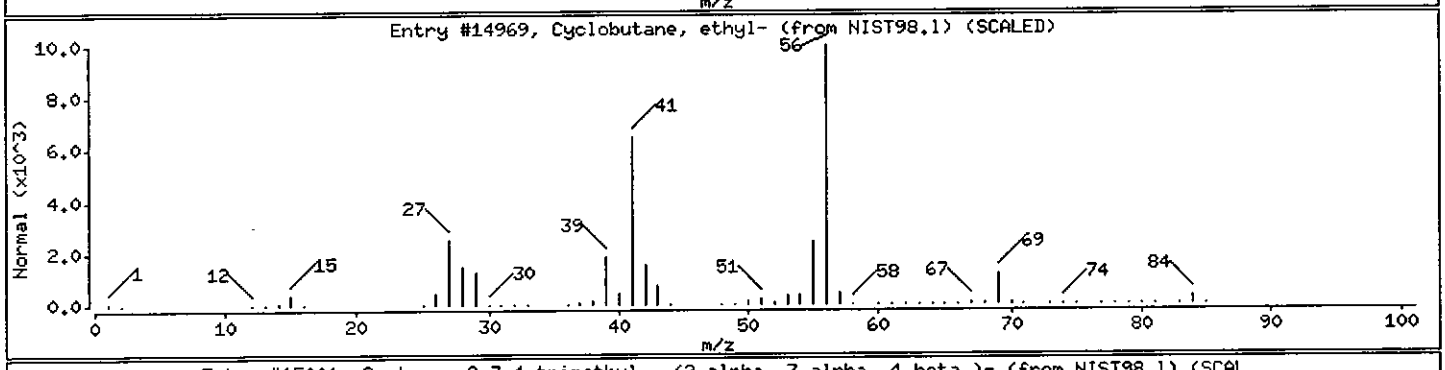
Column phase: DB-624

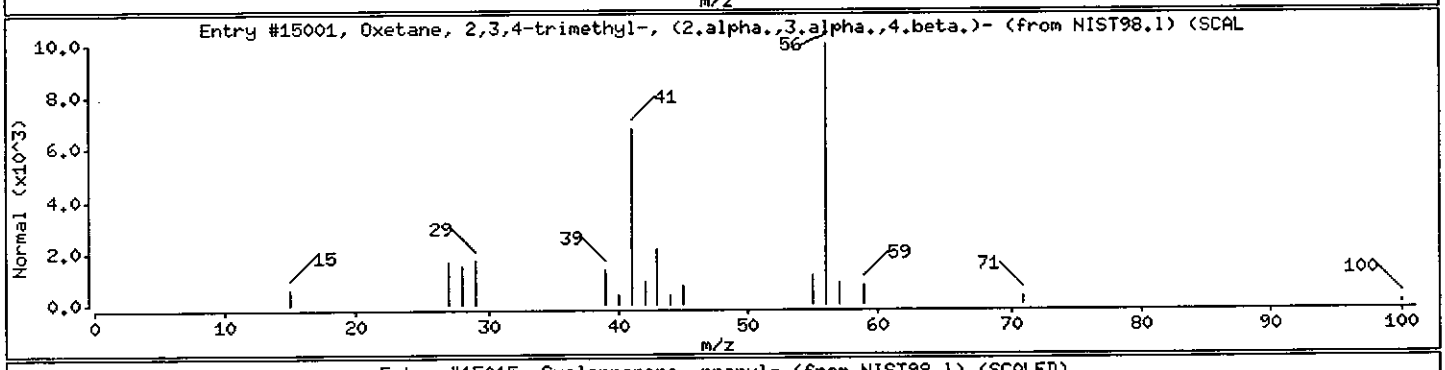
Column diameter: 0.25

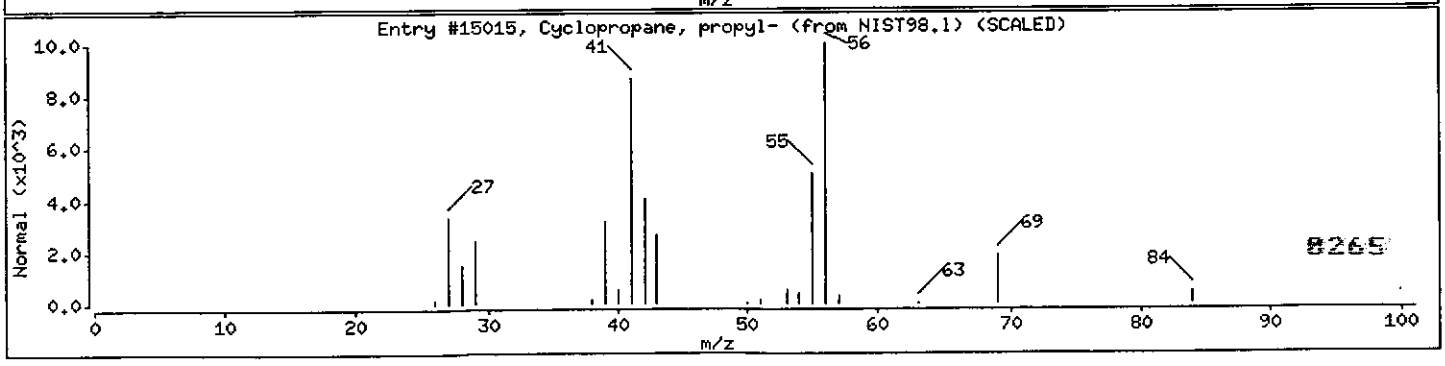
Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclobutane, ethyl-	4806-61-5	NIST98.1	14969	56	C6H12	84
Oxetane, 2,3,4-trimethyl-, (2.alpha.,3.a	32347-12-9	NIST98.1	15001	38	C6H12O	100
Cyclopropane, propyl-	2415-72-7	NIST98.1	15015	36	C6H12	84









8265

Data File: /chem/HP07566.i/06jan26b.b/rj26s09.d

Date : 26-JAN-2006 22:42

Client ID: 6010-

Instrument: HP07566.i

Sample Info: 6010-;4692572;2;0;;

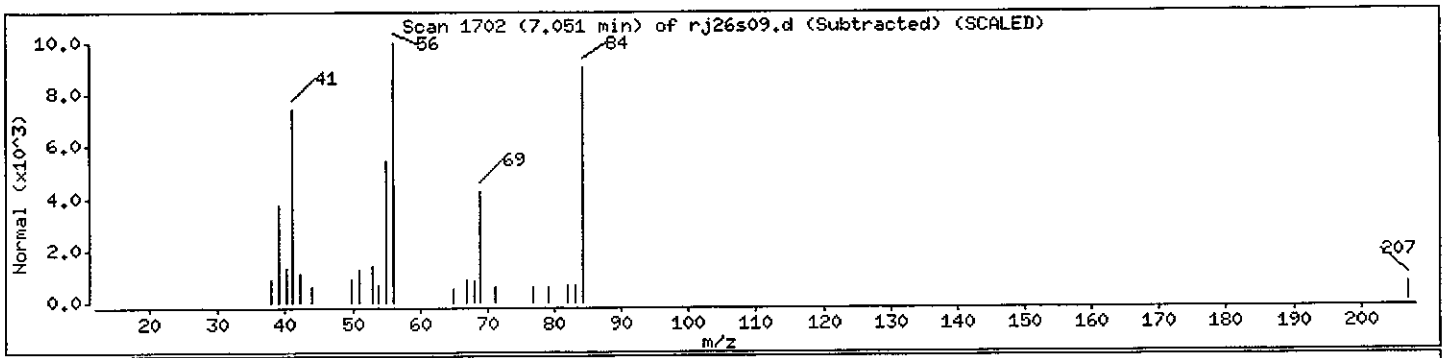
Operator: JML01693

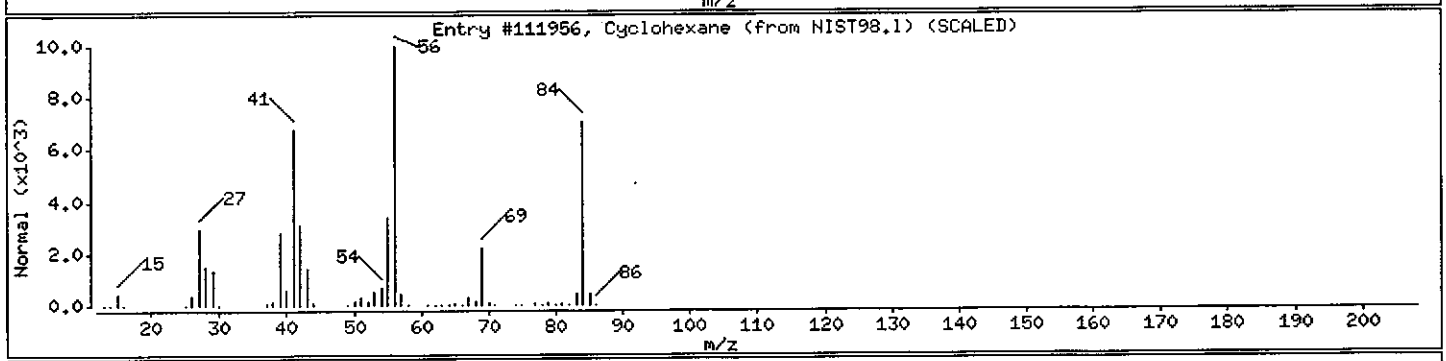
Column phase: DB-624

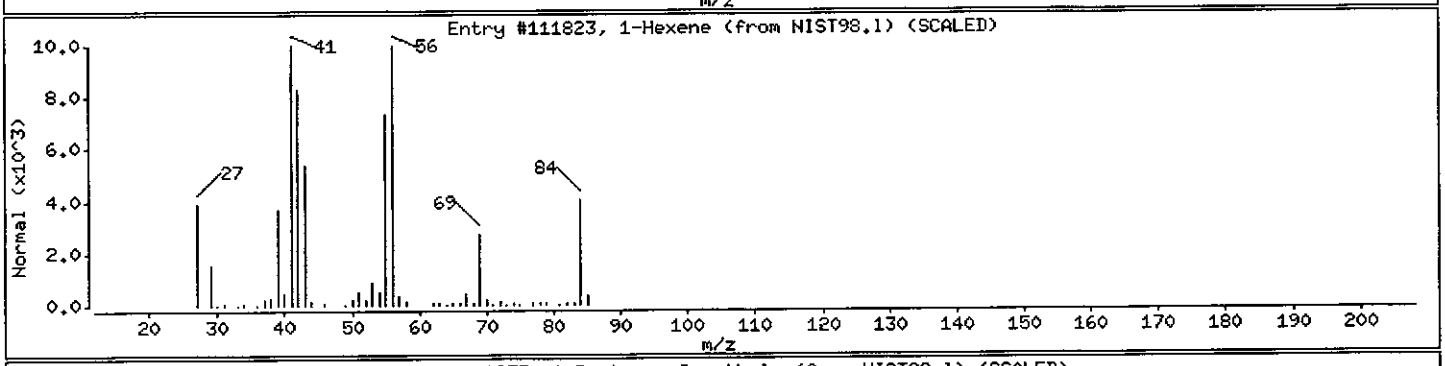
Column diameter: 0.25

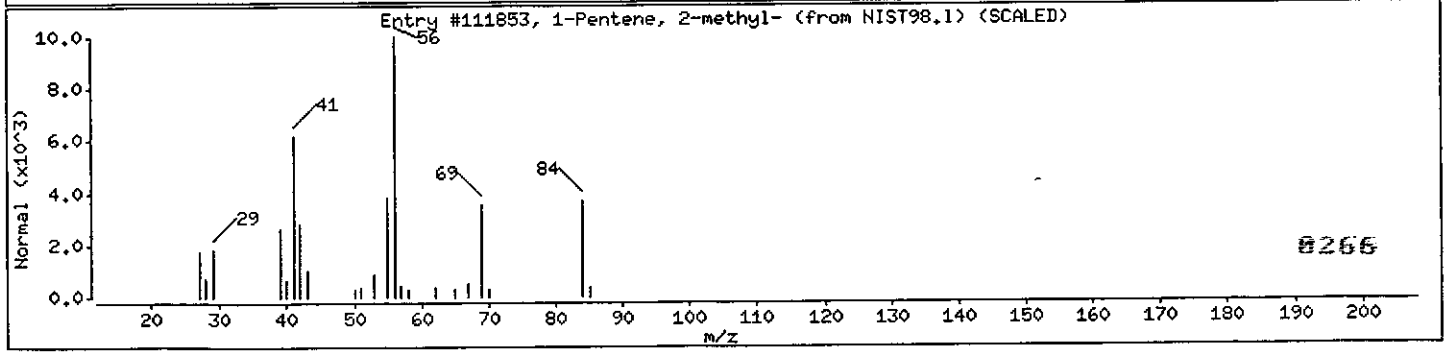
Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclohexane	110-82-7	NIST98.1	111956	64	C6H12	84
1-Hexene	592-41-6	NIST98.1	111823	64	C6H12	84
1-Pentene, 2-methyl-	763-29-1	NIST98.1	111853	56	C6H12	84









0266

Data File: /chem/HP07566.i/06jan26b.b/rj26s09.d

Date : 26-JAN-2006 22:42

Client ID: 6010-

Sample Info: 6010-;4692572;2;0;;

Instrument: HP07566.i

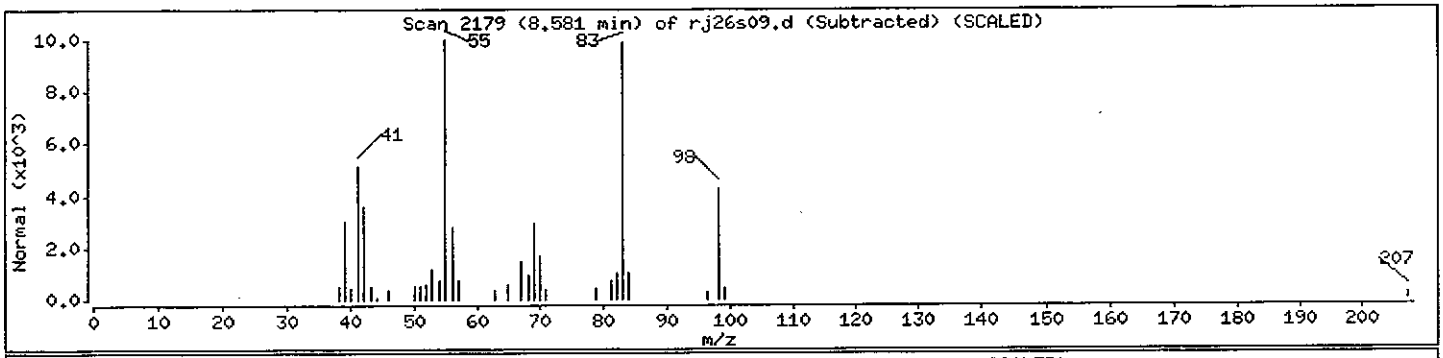
Operator: JHL01693

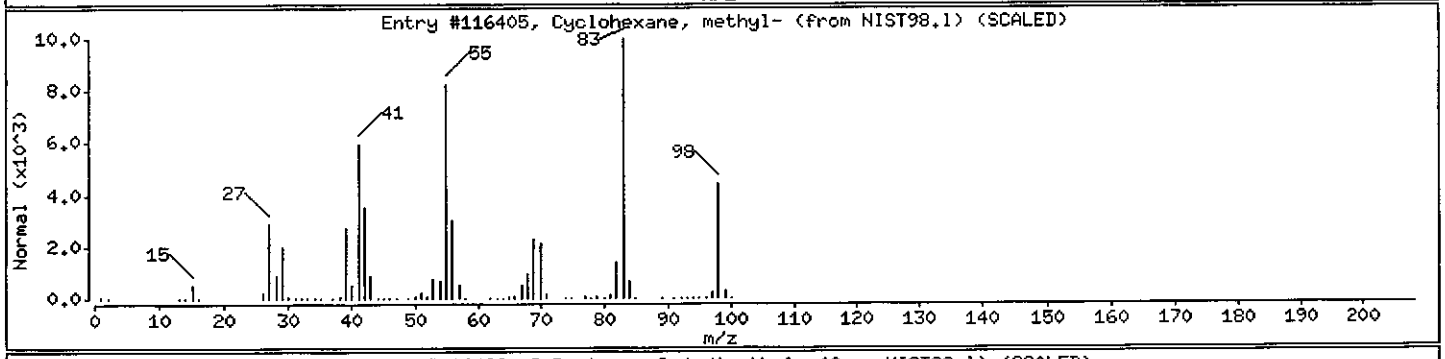
Column phase: DB-624

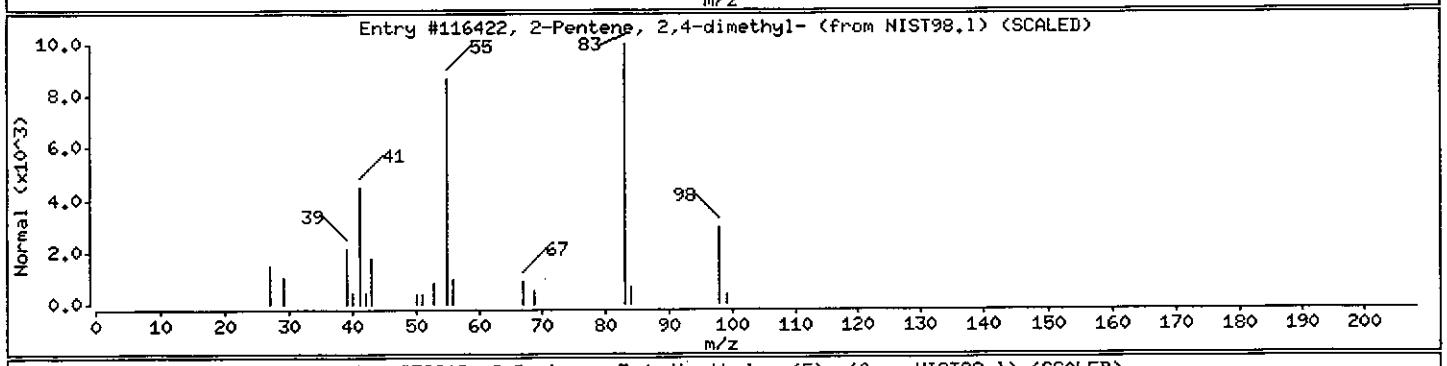
Column diameter: 0.25

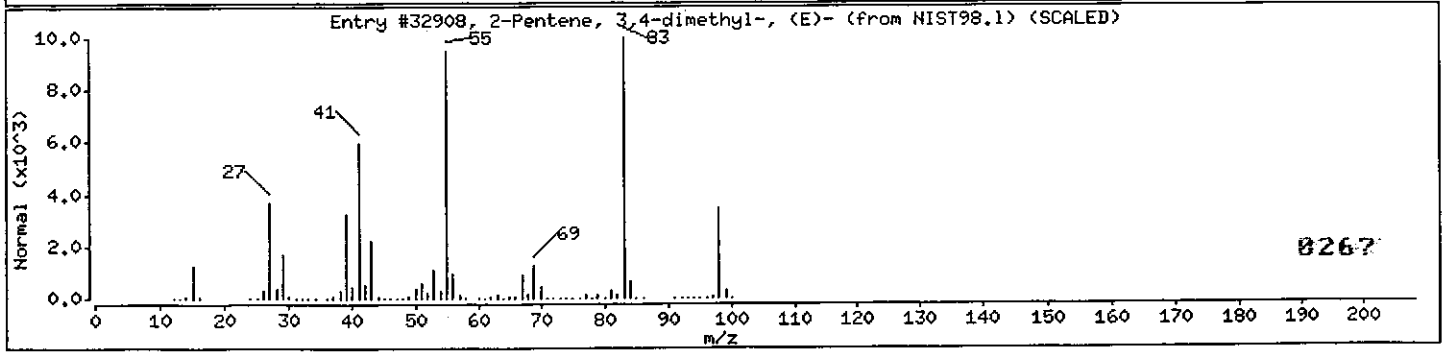
Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclohexane, methyl-	108-87-2	NIST98.1	116405	90	C7H14	98
2-Pentene, 2,4-dimethyl-	625-65-0	NIST98.1	116422	76	C7H14	98
2-Pentene, 3,4-dimethyl-, (E)-	4914-92-5	NIST98.1	32908	72	C7H14	98









0267

Data File: /chem/HP07566.i/06jan26b.b/rj26s09.d

Date : 26-JAN-2006 22:42

Client ID: 6010-

Sample Info: 6010-;4692572;2;0;;

Instrument: HP07566.i

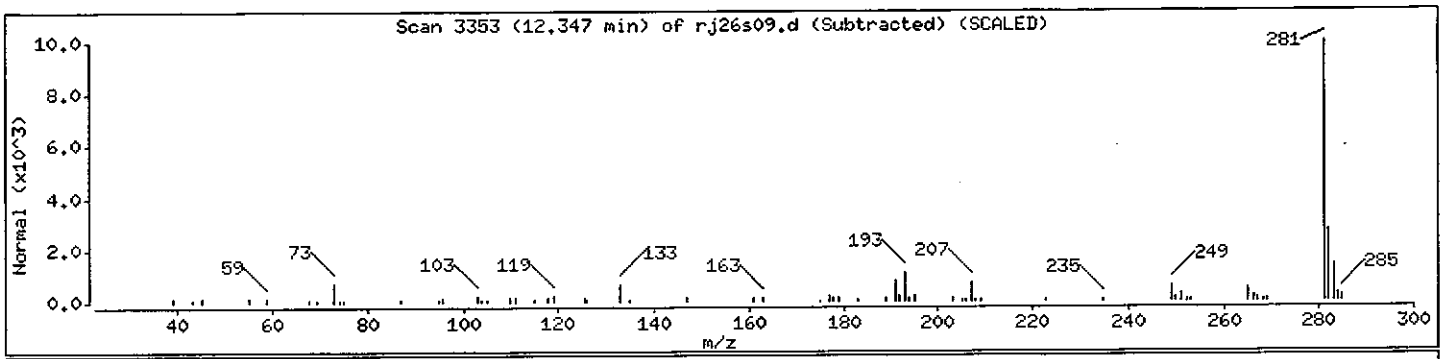
Operator: JML01693

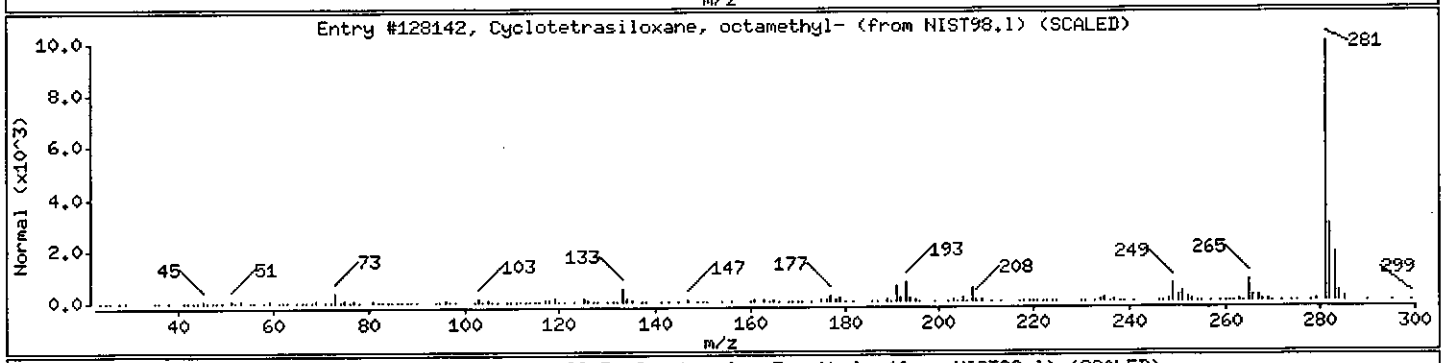
Column phase: DB-624

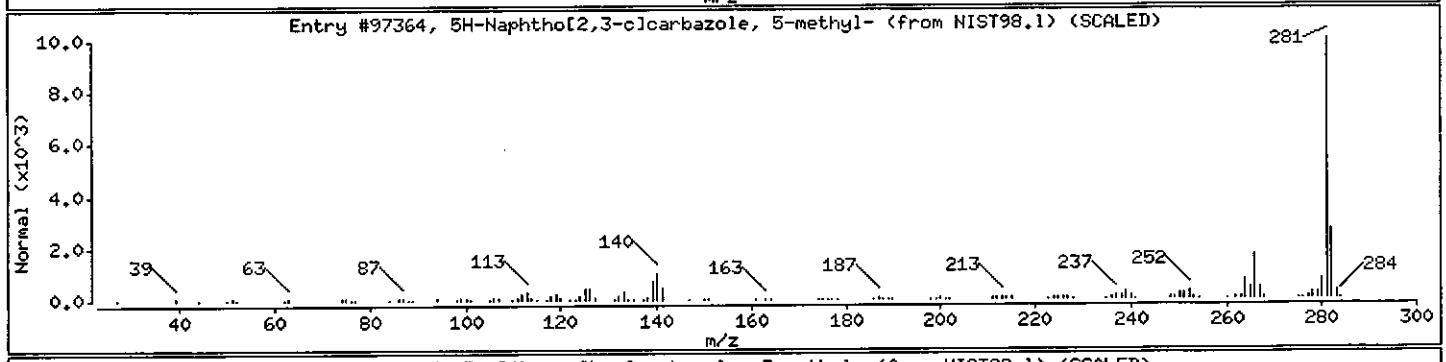
Column diameter: 0.25

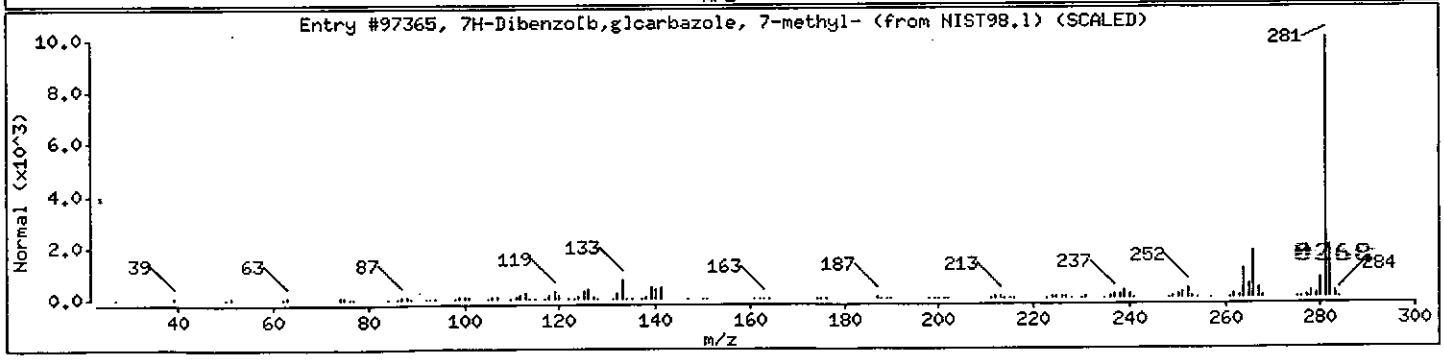
Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Cyclotetrasiloxane, octamethyl-	556-67-2	NIST98.1	128142	86	C8H24O4Si4	296
5H-Naphtho[2,3-c]carbazole, 5-methyl-	100025-44-3	NIST98.1	97364	59	C21H15N	281
7H-Dibenzo[b,g]carbazole, 7-methyl-	3557-49-1	NIST98.1	97365	53	C21H15N	281









1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EB1J-

Lab Name: Lancaster Laboratories Contract:_____

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

Matrix: (soil/water) WATER Lab Sample ID: 4693387

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP07566.i/06jan24d.b/rj24s02.d

Level: (low/med) LOW Date Received: 01/21/06

Moisture: not dec. _____ Date Analyzed: 01/24/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	MDL ug/L	Q
74-87-3	Chloromethane		3	U
75-01-4	Vinyl Chloride		2	U
74-83-9	Bromomethane		3	U
75-00-3	Chloroethane		3	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		6	U
75-15-0	Carbon Disulfide		3	U
75-09-2	Methylene Chloride		2	U
75-34-3	1,1-Dichloroethane		2	U
78-93-3	2-Butanone		3	U
67-66-3	Chloroform		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
107-06-2	1,2-Dichloroethane		2	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		2	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		2	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		7	U
124-48-1	Dibromochloromethane		2	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		2	U
1330-20-7	Xylene (Total)		1	U
100-42-5	Styrene		1	U

0269

FORM I VOA

OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EB1J-

Lab Name: Lancaster Laboratories Contract:_____

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

Matrix: (soil/water) WATER Lab Sample ID: 4693387

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP07566.i/06jan24d.b/rj24s02.d

Level: (low/med) LOW Date Received: 01/21/06

Moisture: not dec. _____ Date Analyzed: 01/24/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	MDL ug/L	Q
75-25-2	Bromoform		1	U
79-34-5	1,1,2,2-Tetrachloroethane		2	U
540-59-0	1,2-Dichloroethene (Total)		1	U

0270

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

EB1J-

Lab Name: Lancaster Laboratories Contract:_____

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

Matrix: (soil/water) WATER Lab Sample ID: 4693387

Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP07566.i/06jan24d.b/rj24s02.d

Level: (low/med) LOW Date Received: 01/21/06

% Moisture: not dec. Date Analyzed: 01/24/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
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29.				
30.				

0271

FORM I VOA-TIC

OLM03.0

EB1J-

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4693387

File: /chem/HP07566.i/06jan24d.b/rj24s02.d
Sample: EB1J-;4693387;1;0;;
Injected At:24-JAN-2006 19:54
Calibration Time: 24-JAN-2006 11:40
Target Method: ROLM32W.m
Blank Reference: rj24b01.d
Sublist: 7156

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:R060241AA
Analyst:JML01693
Instrument ID:HP07566.i
Standard Reference: rj24c01.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
42) Bromochloromethane	6.588(-0.004)	1558	128	127341(-6)	50.00	
56) 1,4-Difluorobenzene	7.971(-0.001)	1989	114	785122(-6)	50.00	
87) Chlorobenzene-d5	11.256(-0.001)	3013	117	726147(-6)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
49) 1,2-Dichloroethane-d4	(1)	7.374(0.000)	65	353945	52.476	105%		76 - 114
75) Toluene-d8	(3)	9.828(0.000)	98	956645	50.306	101%		88 - 110
99) 4-Bromofluorobenzene	(3)	12.240(0.000)	95	375029	49.930	100%		86 - 115

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
2) Chloromethane	(1)				ND	ND			3.00	10.00
3) Vinyl Chloride	(1)				ND	ND			2.00	10.00
5) Bromomethane	(1)				ND	ND			3.00	10.00
6) Chloroethane	(1)				ND	ND			3.00	10.00
10) 1,1-Dichloroethene	(1)				ND	ND			1.00	10.00
16) Acetone	(1)				ND	ND			6.00	10.00
18) Carbon Disulfide	(1)				ND	ND			3.00	10.00
21) Methylene Chloride	(1)				ND	ND			2.00	10.00
25) trans-1,2-Dichloroethene	(1)				ND	ND			1.00	10.00
31) 1,1-Dichloroethane	(1)				ND	ND			2.00	10.00
37) cis-1,2-Dichloroethene	(1)				ND	ND			1.00	10.00
39) 2-Butanone	(1)				ND	ND			3.00	10.00
44) Chloroform	(1)				ND	ND			1.00	10.00
45) 1,1,1-Trichloroethane	(2)				ND	ND			1.00	10.00
48) Carbon Tetrachloride	(2)				ND	ND			1.00	10.00
145) 1,2-Dichloroethene (Total)	(1)				ND	ND			1.00	10.00
50) Benzene	(2)				ND	ND			1.00	10.00
51) 1,2-Dichloroethane	(1)				ND	ND			2.00	10.00
59) Trichloroethene	(2)				ND	ND			1.00	10.00
63) 1,2-Dichloropropane	(2)				ND	ND			1.00	10.00
68) Bromodichloromethane	(2)				ND	ND			1.00	10.00
72) cis-1,3-Dichloropropene	(2)				ND	ND			1.00	10.00
73) 4-Methyl-2-Pentanone	(3)				ND	ND			5.00	10.00
76) Toluene	(3)				ND	ND			2.00	10.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

EB1J-

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4693387

File: /chem/HP07566.i/06jan24d.b/rj24s02.d
Sample: EB1J-;4693387;1;0;;
Injected At:24-JAN-2006 19:54
Calibration Time: 24-JAN-2006 11:40
Target Method: ROLM32W.m
Blank Reference: rj24b01.d
Sublist: 7156

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:R060241AA
Analyst:JML01693
Instrument ID:HP07566.i
Standard Reference: rj24c01.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
77) trans-1,3-Dichloropropene	(2)					ND	ND			1.00	10.00
79) 1,1,2-Trichloroethane	(2)					ND	ND			2.00	10.00
81) Tetrachloroethene	(3)					ND	ND			1.00	10.00
83) 2-Hexanone	(3)					ND	ND			7.00	10.00
84) Dibromochloromethane	(2)					ND	ND			2.00	10.00
88) Chlorobenzene	(3)					ND	ND			1.00	10.00
90) Ethylbenzene	(3)					ND	ND			2.00	10.00
91) m+p-Xylene	(3)					ND	ND			1.00	10.00
92) Xylene (Total)	(3)					ND	ND			1.00	10.00
93) o-Xylene	(3)					ND	ND			1.00	10.00
94) Styrene	(3)					ND	ND			1.00	10.00
95) Bromoform	(2)					ND	ND			1.00	10.00
103) 1,1,2,2-Tetrachloroethane	(3)					ND	ND			2.00	10.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Comments:

Analyst: JMLY Date: 1/24/06

Auditor: [illegible] Date: 1/26/06

0273

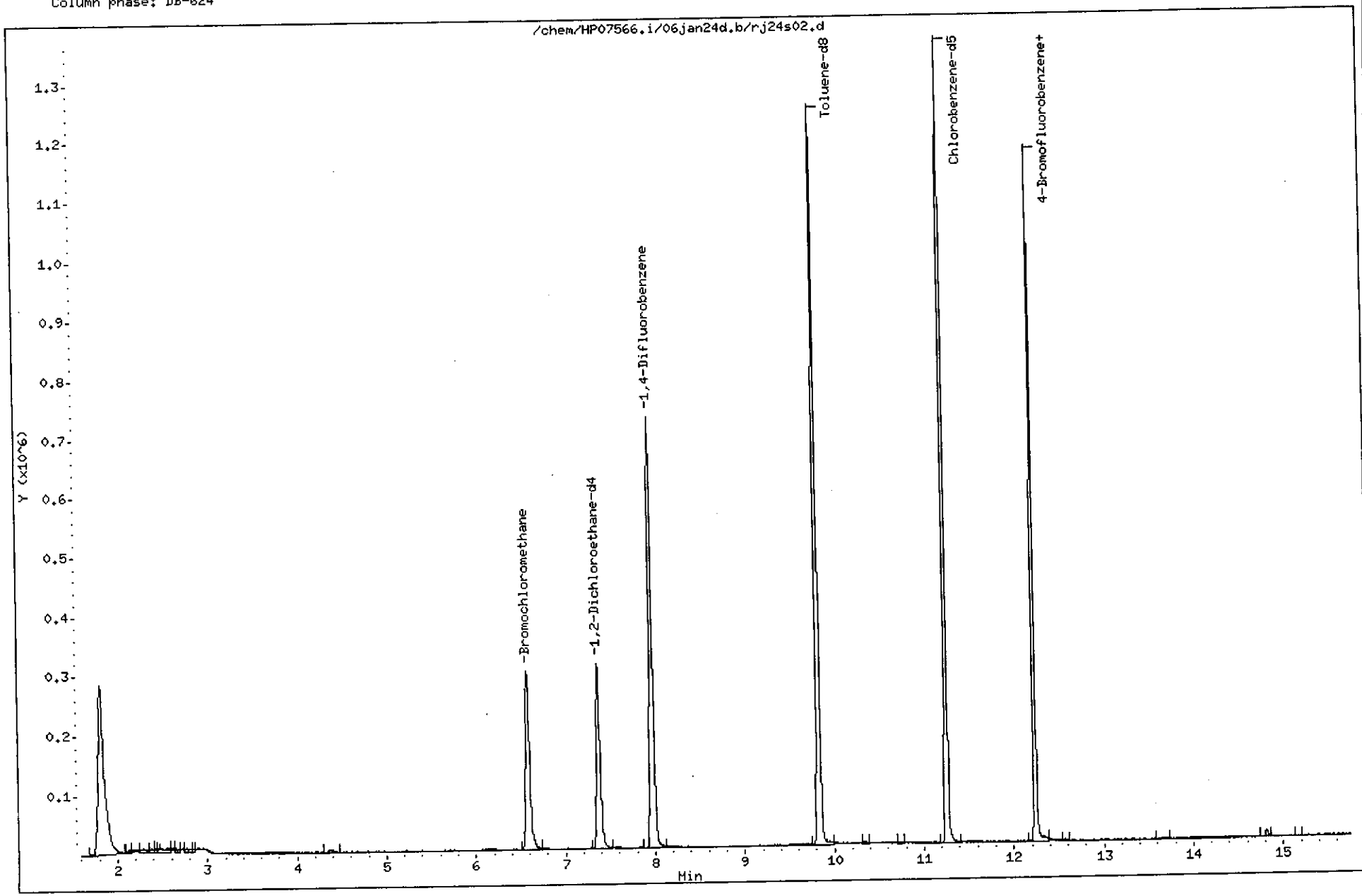
Data File: /chem/HP07566.i/06jan24d.b/rj24s02.d
Date : 24-JAN-2006 19:54
Client ID: EB1J-
Sample Info: EB1J-;4693387;1;0;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP07566.i

Operator: JML01693
Column diameter: 0.25

JML 1/31/06

B274



Quant Report

Target Revision 3.5

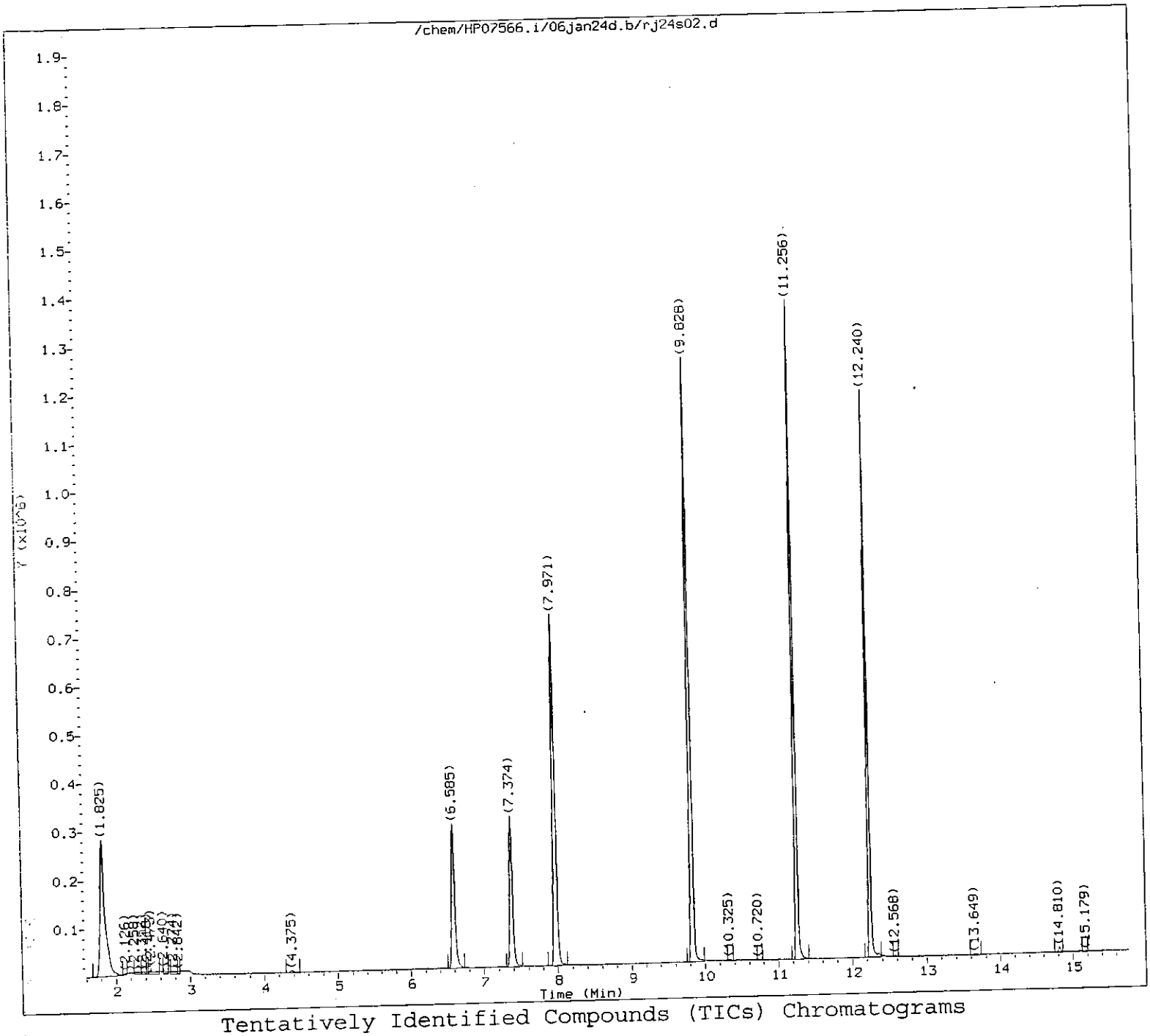
Data File: /chem/HP07566.i/06jan24d.b/rj24s02.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 19:54 Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan24d.b/ROLM32W.m Sublist used: 7156
Calibration date and time: 24-JAN-2006 11:40
Date, time and analyst ID of latest file update: 24-Jan-2006 20:35 jml01693

Sample Name: EB1J- Lab Sample ID: 4693387

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
42)*Bromochloromethane	(1)	6.588	128	127341	50.000
56)*1,4-Difluorobenzene	(2)	7.971	114	785122	50.000
87)*Chlorobenzene-d5	(3)	11.256	117	726147	50.000
49)$1,2-Dichloroethane-d4	(1)	7.374	65	353945	52.476
75)$Toluene-d8	(3)	9.828	98	956645	50.306
99)$4-Bromofluorobenzene	(3)	12.240	95	375029	49.930

* = Compound is an internal standard.
$ = Compound is a surrogate standard.



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24d.b/rj24s02.d
Injection date and time: 24-JAN-2006 19:54

Instrument ID: HP07566.i
Analyst ID: JML01693

Date, time and analyst ID of latest file update: 25-Jan-2006 08:17 sam00983

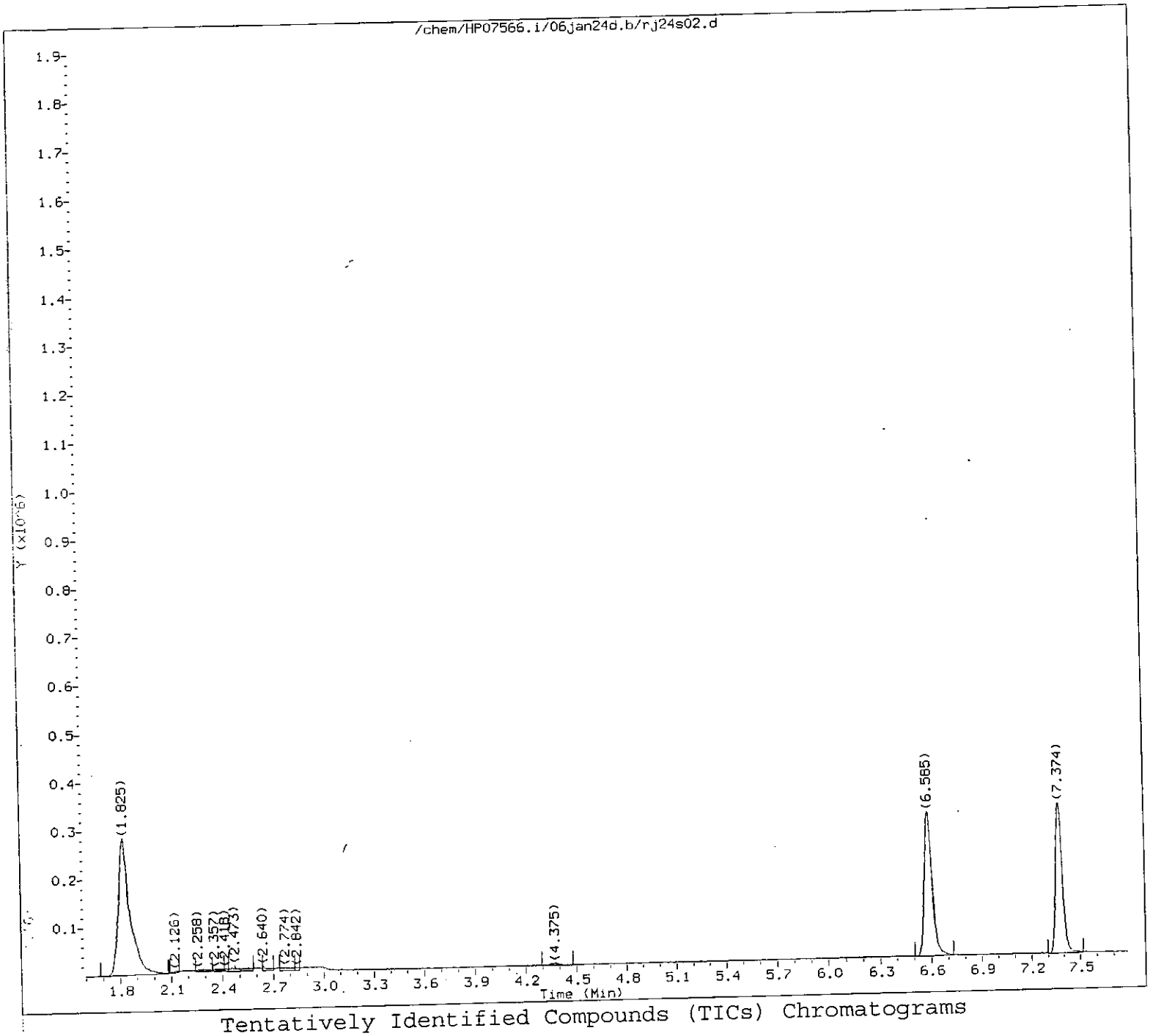
Sample Name: EB1J-

Lab Sample ID: 4693387

Chromatogram Start Time (min.): 1.594
Chromatogram End Time (min.): 15.750

0276

1/25/06



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24d.b/rj24s02.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 19:54 Analyst ID: JML01693

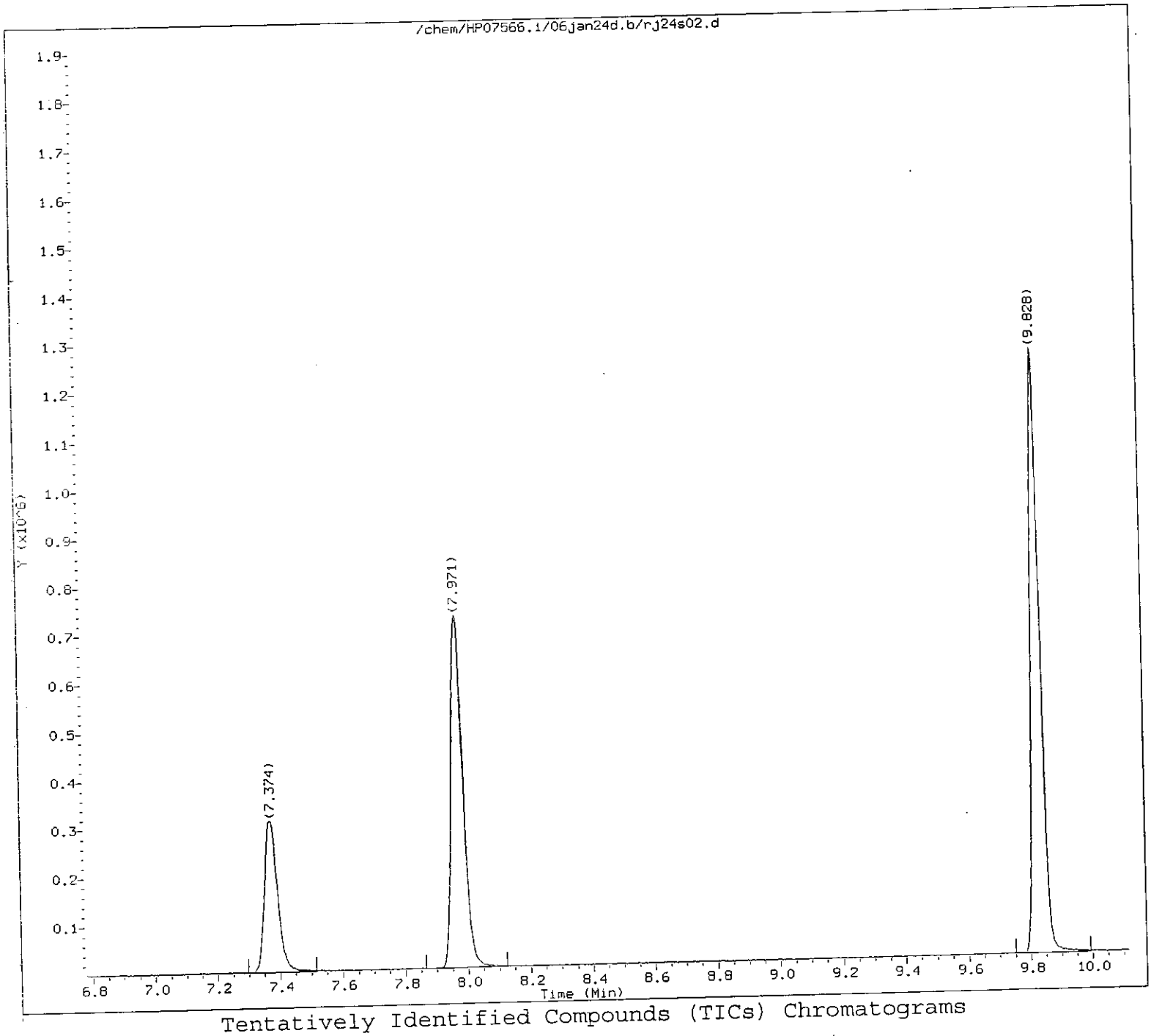
Date, time and analyst ID of latest file update: 25-Jan-2006 08:17 sam00983

Sample Name: EB1J- Lab Sample ID: 4693387

Internal Standard referenced: Bromochloromethane at 6.588 minutes
Chromatogram Start Time (min.): 1.594
Chromatogram End Time (min.): 7.280

#277

1/25/06



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24d.b/rj24s02.d
Injection date and time: 24-JAN-2006 19:54

Instrument ID: HP07566.i
Analyst ID: JML01693

Date, time and analyst ID of latest file update: 25-Jan-2006 08:17 sam00983

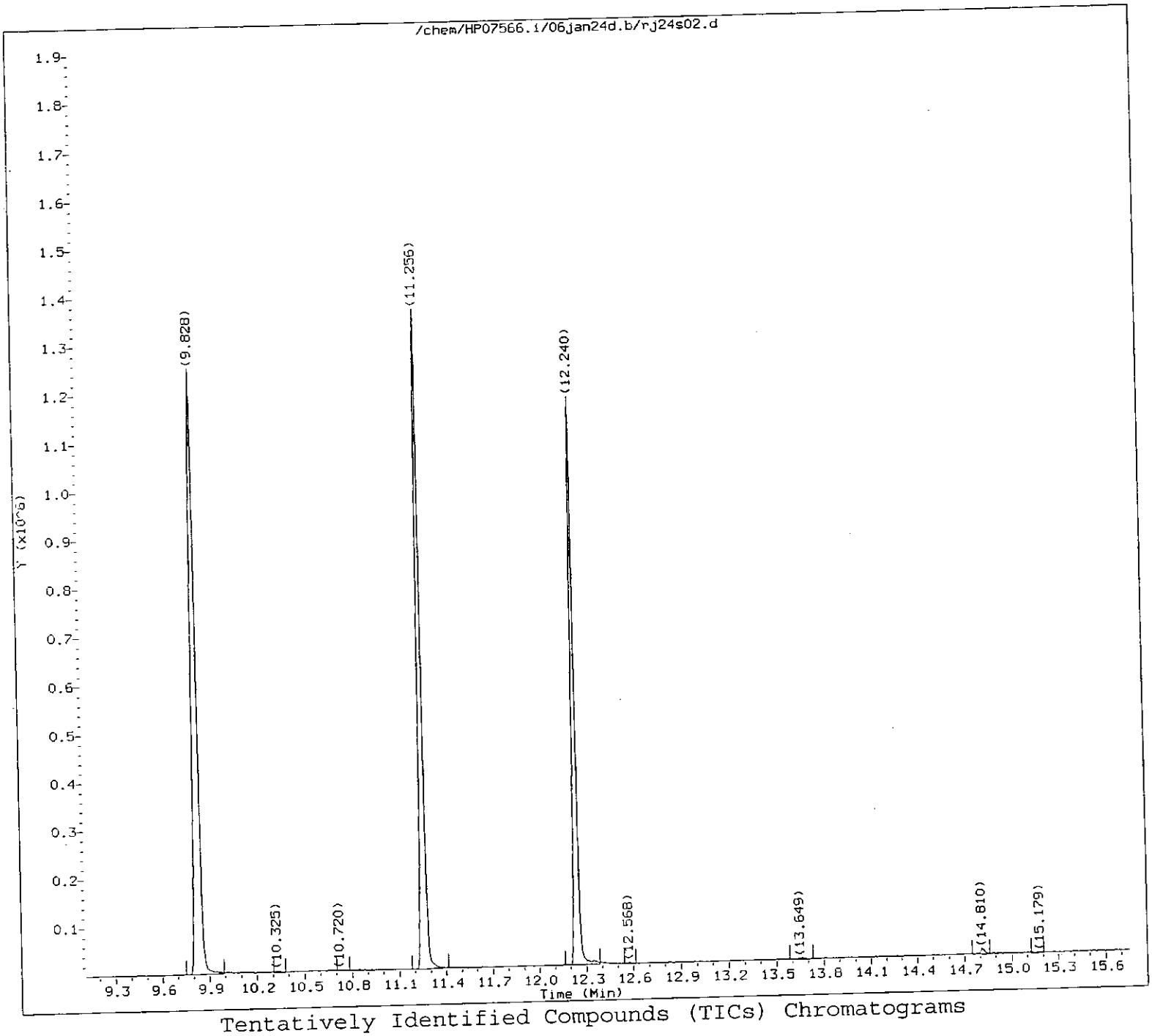
Sample Name: EB1J-

Lab Sample ID: 4693387

Internal Standard referenced: 1,4-Difluorobenzene at 7.971 minutes
Chromatogram Start Time (min.): 7.280
Chromatogram End Time (min.): 9.613

0278

JML83
1/25/06



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24d.b/rj24s02.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 19:54 Analyst ID: JML01693

Date, time and analyst ID of latest file update: 25-Jan-2006 08:17 sam00983

Sample Name: EB1J- Lab Sample ID: 4693387

Internal Standard referenced: Chlorobenzene-d5 at 11.256 minutes
Chromatogram Start Time (min.): 9.613
Chromatogram End Time (min.): 15.750

0279

1/25/06

Data File: /chem/HP07566.i/06jan24d.b/rj24s02.d
Report Date: 25-Jan-2006 08:48

Lancaster Laboratories

Data file : /chem/HP07566.i/06jan24d.b/rj24s02.d
Lab Smp Id: 4693387 Client Smp ID: EB1J-
Inj Date : 24-JAN-2006 19:54
Operator : JML01693 Inst ID: HP07566.i
Smp Info : EB1J-;4693387;1;0;;
Misc Info : 7156.sub;R060241AA;;5;5;;rj24b01;38A
Comment : Max. number of TICs to report is 30, 0 TICs were found initially.
Method : /chem/HP07566.i/06jan24d.b/ROLM32W.m
Meth Date : 25-Jan-2006 07:51 sam00983 Quant Type: ISTD
Cal Date : 24-JAN-2006 18:19 Cal File: rj24c01.d
Als bottle: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 7156.sub
Target Version: 3.50
Processing Host: d21cs04

- NO TENTATIVELY IDENTIFIED COMPOUNDS -

1/25/06

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TBPNV

Lab Name: Lancaster Laboratories Contract:_____

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

Matrix: (soil/water) WATER Lab Sample ID: 4693470

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP07566.i/06jan24d.b/rj24s03.d

Level: (low/med) LOW Date Received: 01/21/06

Moisture: not dec. _____ Date Analyzed: 01/24/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	MDL ug/L	Q
74-87-3	Chloromethane		3	U
75-01-4	Vinyl Chloride		2	U
74-83-9	Bromomethane		3	U
75-00-3	Chloroethane		3	U
75-35-4	1,1-Dichloroethene		1	U
67-64-1	Acetone		6	U
75-15-0	Carbon Disulfide		3	U
75-09-2	Methylene Chloride		2	U
75-34-3	1,1-Dichloroethane		2	U
78-93-3	2-Butanone		3	U
67-66-3	Chloroform		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon Tetrachloride		1	U
71-43-2	Benzene		1	U
107-06-2	1,2-Dichloroethane		2	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
108-10-1	4-Methyl-2-Pentanone		5	U
108-88-3	Toluene		2	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		2	U
127-18-4	Tetrachloroethene		1	U
591-78-6	2-Hexanone		7	U
124-48-1	Dibromochloromethane		2	U
108-90-7	Chlorobenzene		1	U
100-41-4	Ethylbenzene		2	U
1330-20-7	Xylene (Total)		1	U
100-42-5	Styrene		1	U

0291

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TBPNV

Lab Name: Lancaster Laboratories Contract:_____

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

Matrix: (soil/water) WATER Lab Sample ID: 4693470

Sample wt/vol: 5.00 (g/mL) mL Lab File ID: HP07566.i/06jan24d.b/rj24s03.d

Level: (low/med) LOW Date Received: 01/21/06

Moisture: not dec. _____ Date Analyzed: 01/24/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	MDL ug/L	Q
75-25-2	Bromoform		1	U
79-34-5	1,1,2,2-Tetrachloroethane		2	U
540-59-0	1,2-Dichloroethene (Total)		1	U

0282

FORM I VOA

OLM03.0

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TBPNV

Lab Name: Lancaster Laboratories Contract:_____

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

Matrix: (soil/water) WATER Lab Sample ID: 4693470

Sample wt/vol: 5.0 (g/mL)mL Lab File ID: HP07566.i/06jan24d.b/rj24s03.d

Level: (low/med) LOW Date Received: 01/21/06

% Moisture: not dec. Date Analyzed: 01/24/06

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown siloxane	14.81	11	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
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28.					
29.					
30.					

8283

FORM I VOA-TIC

OLM03.0

TBPNV

Lancaster Laboratories
Quantitation Report GC/MS Volatiles

4693470

File: /chem/HP07566.i/06jan24d.b/rj24s03.d
Sample: TBPNV;4693470;1;0;;
Injected At:24-JAN-2006 20:19
Calibration Time: 24-JAN-2006 11:40
Target Method: ROLM32W.m
Blank Reference: rj24b01.d
Sublist: 7156

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:R060241AA
Analyst:JML01693
Instrument ID:HP07566.i
Standard Reference: rj24c01.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)

Internal Standards	RT(+/-RT)	Scan	QIon	Area(+/- %Area)	Conc(ext)	QC Flag
42) Bromochloromethane	6.591(-0.007)	1559	128	124931(-8)	50.00	
56) 1,4-Difluorobenzene	7.974(-0.004)	1990	114	768278(-8)	50.00	
87) Chlorobenzene-d5	11.255(0.000)	3013	117	714418(-8)	50.00	

= RETENTION TIME OUT OF RANGE * = INTERNAL STANDARD OUT OF RANGE NC = NOT ABLE TO CALCULATE

Surrogate Standards	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	%Rec.	QC flags	QC Limits
49) 1,2-Dichloroethane-d4	(1)	7.371(0.001)	65	352377	53.252	106%		76 - 114
75) Toluene-d8	(3)	9.828(0.000)	98	931073	49.765	100%		88 - 110
99) 4-Bromofluorobenzene	(3)	12.240(0.000)	95	364971	49.389	99%		86 - 115

= RELATIVE RETENTION TIME OUT OF RANGE * = PERCENT REC.OUT OF RANGE D = DILUTED OUT NC = NOT ABLE TO CALCULATE

Target Compounds	I.S. Ref.	RT (+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
2) Chloromethane	(1)				ND	ND			3.00	10.00
3) Vinyl Chloride	(1)				ND	ND			2.00	10.00
5) Bromomethane	(1)				ND	ND			3.00	10.00
6) Chloroethane	(1)				ND	ND			3.00	10.00
10) 1,1-Dichloroethene	(1)				ND	ND			1.00	10.00
16) Acetone	(1)				ND	ND			6.00	10.00
18) Carbon Disulfide	(1)				ND	ND			3.00	10.00
21) Methylene Chloride	(1)				ND	ND			2.00	10.00
25) trans-1,2-Dichloroethene	(1)				ND	ND			1.00	10.00
31) 1,1-Dichloroethane	(1)				ND	ND			2.00	10.00
37) cis-1,2-Dichloroethene	(1)				ND	ND			1.00	10.00
39) 2-Butanone	(1)				ND	ND			3.00	10.00
44) Chloroform	(1)				ND	ND			1.00	10.00
45) 1,1,1-Trichloroethane	(2)				ND	ND			1.00	10.00
48) Carbon Tetrachloride	(2)				ND	ND			1.00	10.00
145) 1,2-Dichloroethene (Total)	(1)				ND	ND			1.00	10.00
50) Benzene	(2)				ND	ND			1.00	10.00
51) 1,2-Dichloroethane	(1)				ND	ND			2.00	10.00
59) Trichloroethene	(2)				ND	ND			1.00	10.00
63) 1,2-Dichloropropane	(2)				ND	ND			1.00	10.00
68) Bromodichloromethane	(2)				ND	ND			1.00	10.00
72) cis-1,3-Dichloropropene	(2)				ND	ND			1.00	10.00
73) 4-Methyl-2-Pentanone	(3)				ND	ND			5.00	10.00
76) Toluene	(3)				ND	ND			2.00	10.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

TBPNV

Lancaster Laboratories
Quantitation Report GC/MS Volatiles 4693470

File: /chem/HP07566.i/06jan24d.b/rj24s03.d
Sample: TBPNV;4693470;1;0;;
Injected At:24-JAN-2006 20:19
Calibration Time: 24-JAN-2006 11:40
Target Method: ROLM32W.m
Blank Reference: rj24b01.d
Sublist: 7156

Sample Concentration Formula: On-Column Amount * (Vt/Vo)
Batch:R060241AA
Analyst:JML01693
Instrument ID:HP07566.i
Standard Reference: rj24c01.d
Prep Factor:1.00
Units: ug/L

Matrix: WATER
Level: Low
Sample Wt./Vol.: 5.0000 ml (Vo)
Volume Purged: 5.0 ml (Vt)

Target Compounds	I.S. Ref.	RT	(+/-RRT)	QIon	Area	Conc. (on column)	Conc. (in sample)	Blank Conc.	Qual.	Reporting Limit	LOQ
77) trans-1,3-Dichloropropene	(2)					ND	ND			1.00	10.00
79) 1,1,2-Trichloroethane	(2)					ND	ND			2.00	10.00
81) Tetrachloroethene	(3)					ND	ND			1.00	10.00
83) 2-Hexanone	(3)					ND	ND			7.00	10.00
84) Dibromochloromethane	(2)					ND	ND			2.00	10.00
88) Chlorobenzene	(3)					ND	ND			1.00	10.00
90) Ethylbenzene	(3)					ND	ND			2.00	10.00
91) m+p-Xylene	(3)					ND	ND			1.00	10.00
92) Xylene (Total)	(3)					ND	ND			1.00	10.00
93) o-Xylene	(3)					ND	ND			1.00	10.00
94) Styrene	(3)					ND	ND			1.00	10.00
95) Bromoform	(2)					ND	ND			1.00	10.00
103) 1,1,2,2-Tetrachloroethane	(3)					ND	ND			2.00	10.00

E = CONC. OUT OF CAL. RANGE # = RELATIVE RETENTION TIME OUT OF RANGE

Comments:

Analyst: JMG Date: 1/24/06

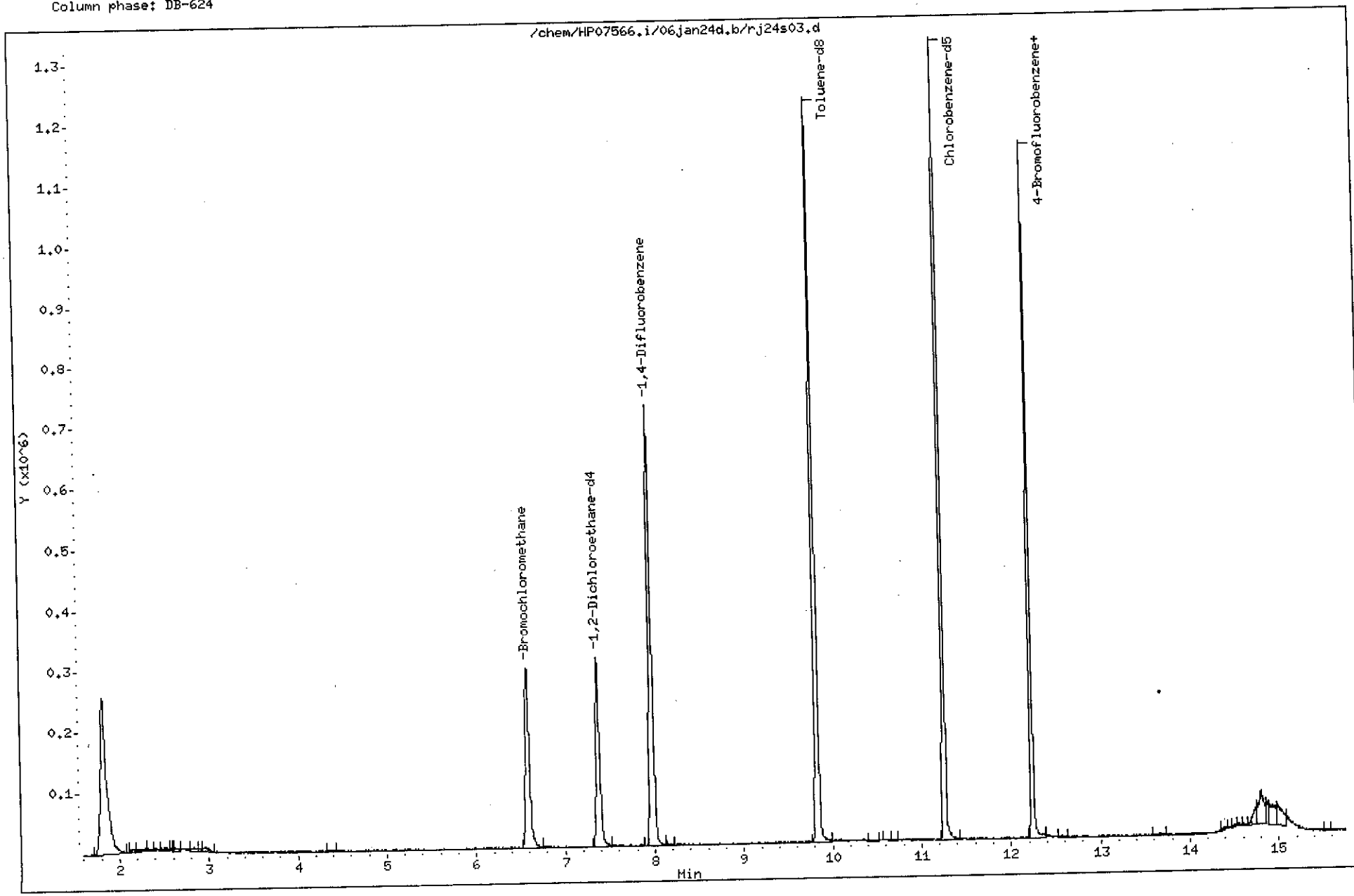
Auditor: [illegible] Date: 1/26/06

0285

Data File: /chem/HP07566.i/06jan24d.b/rj24s03.d
Date : 24-JAN-2006 20:19
Client ID: TBPNV
Sample Info: TBPNV;4693470;1;0;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP07566.i

Operator: JML01693
Column diameter: 0.25



Quant Report

Target Revision 3.5

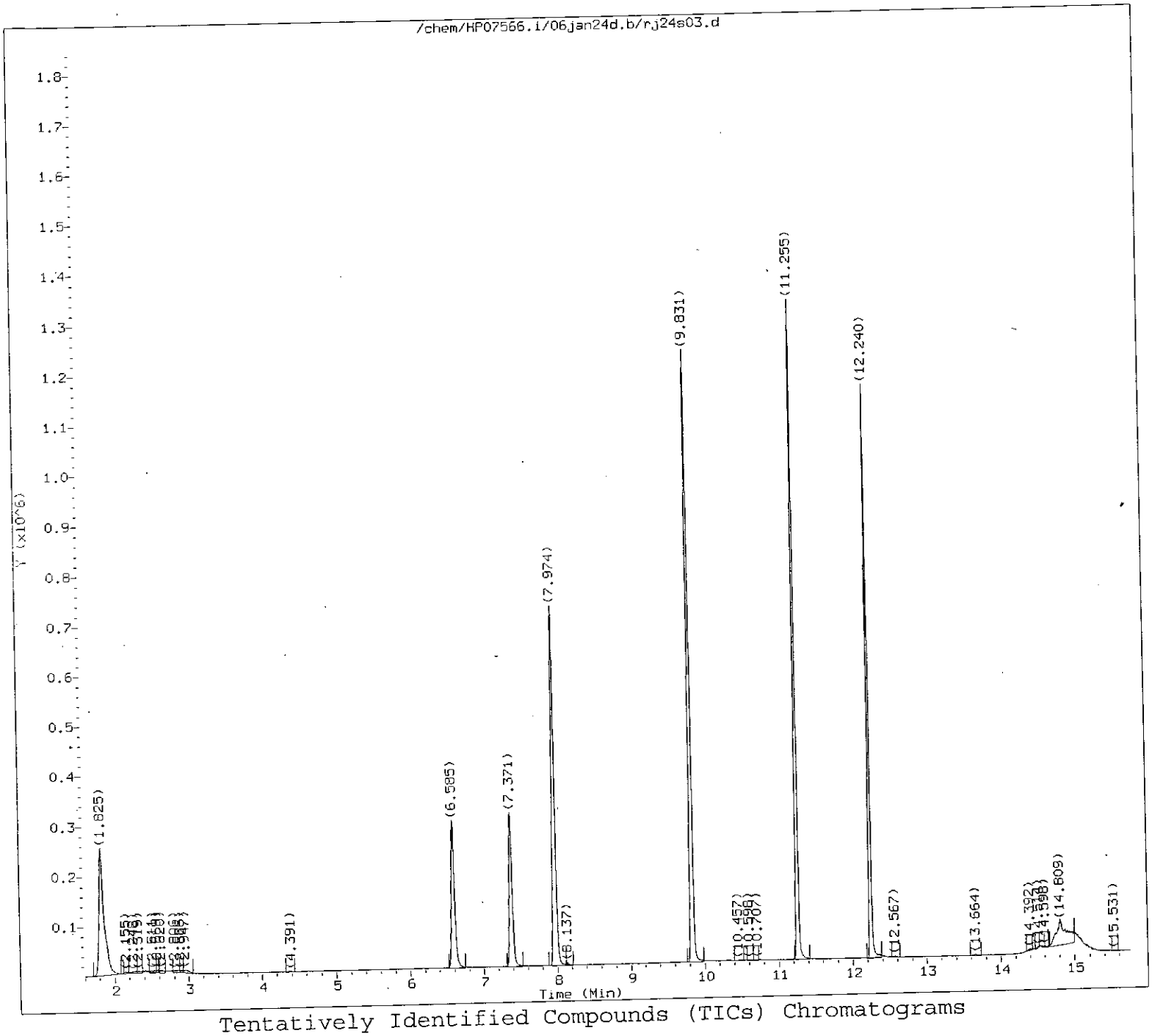
Data File: /chem/HP07566.i/06jan24d.b/rj24s03.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 20:19 Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan24d.b/ROLM32W.m Sublist used: 7156
Calibration date and time: 24-JAN-2006 11:40
Date, time and analyst ID of latest file update: 24-Jan-2006 20:47 Automation

Sample Name: TBPNV Lab Sample ID: 4693470

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
42) *Bromochloromethane	(1)	6.591	128	124931	50.000
56) *1,4-Difluorobenzene	(2)	7.974	114	768278	50.000
87) *Chlorobenzene-d5	(3)	11.255	117	714418	50.000
49) $1,2-Dichloroethane-d4	(1)	7.371	65	352377	53.252
75) $Toluene-d8	(3)	9.828	98	931073	49.765
99) $4-Bromofluorobenzene	(3)	12.240	95	364971	49.389

* = Compound is an internal standard.
$ = Compound is a surrogate standard.



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24d.b/rj24s03.d
Injection date and time: 24-JAN-2006 20:19

Instrument ID: HP07566.i
Analyst ID: JML01693

Date, time and analyst ID of latest file update: 25-Jan-2006 08:19 sam00983

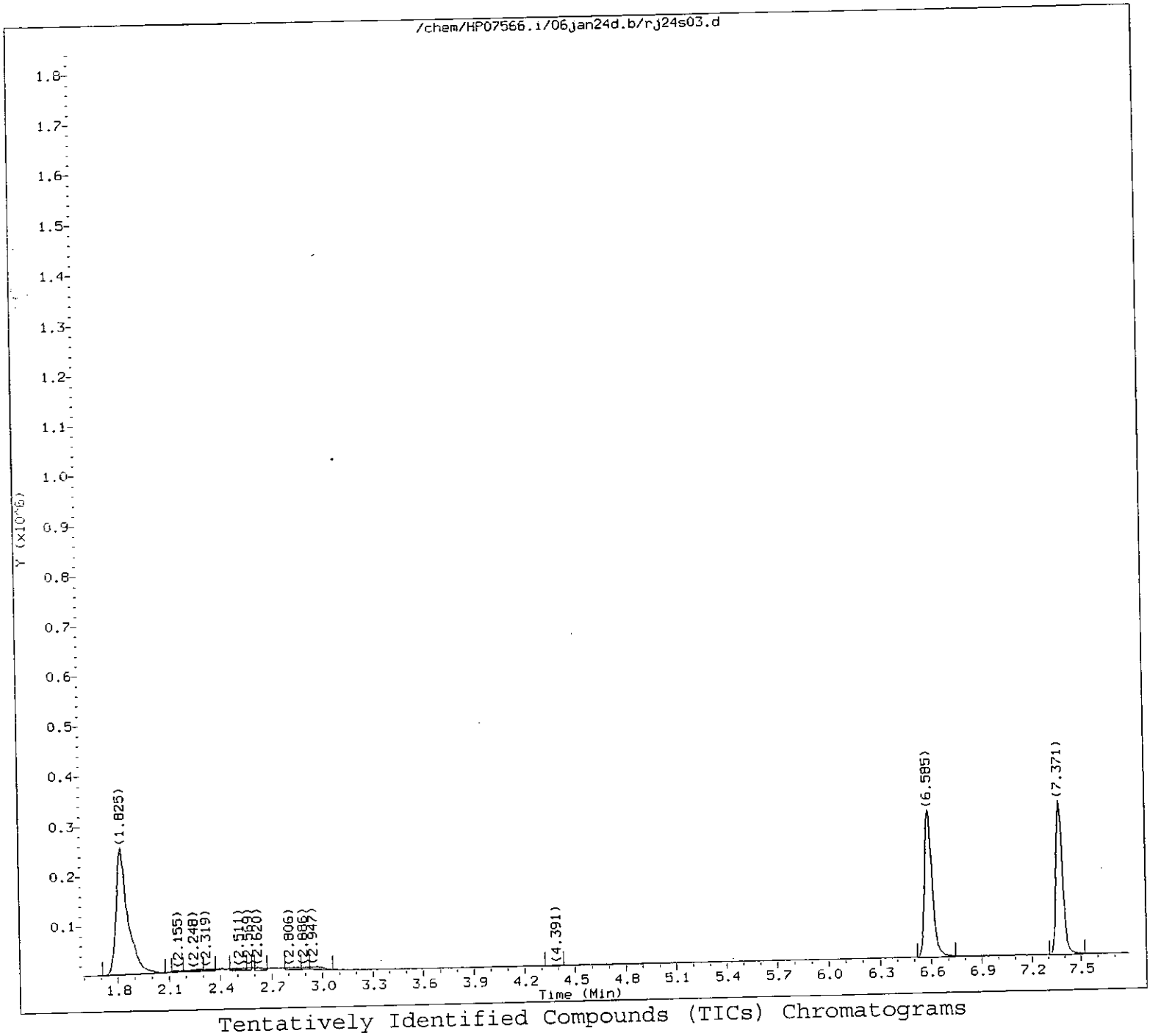
Sample Name: TBPNV

Lab Sample ID: 4693470

Chromatogram Start Time (min.): 1.594
Chromatogram End Time (min.): 15.749

0288

1/25/06



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24d.b/rj24s03.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 20:19 Analyst ID: JML01693

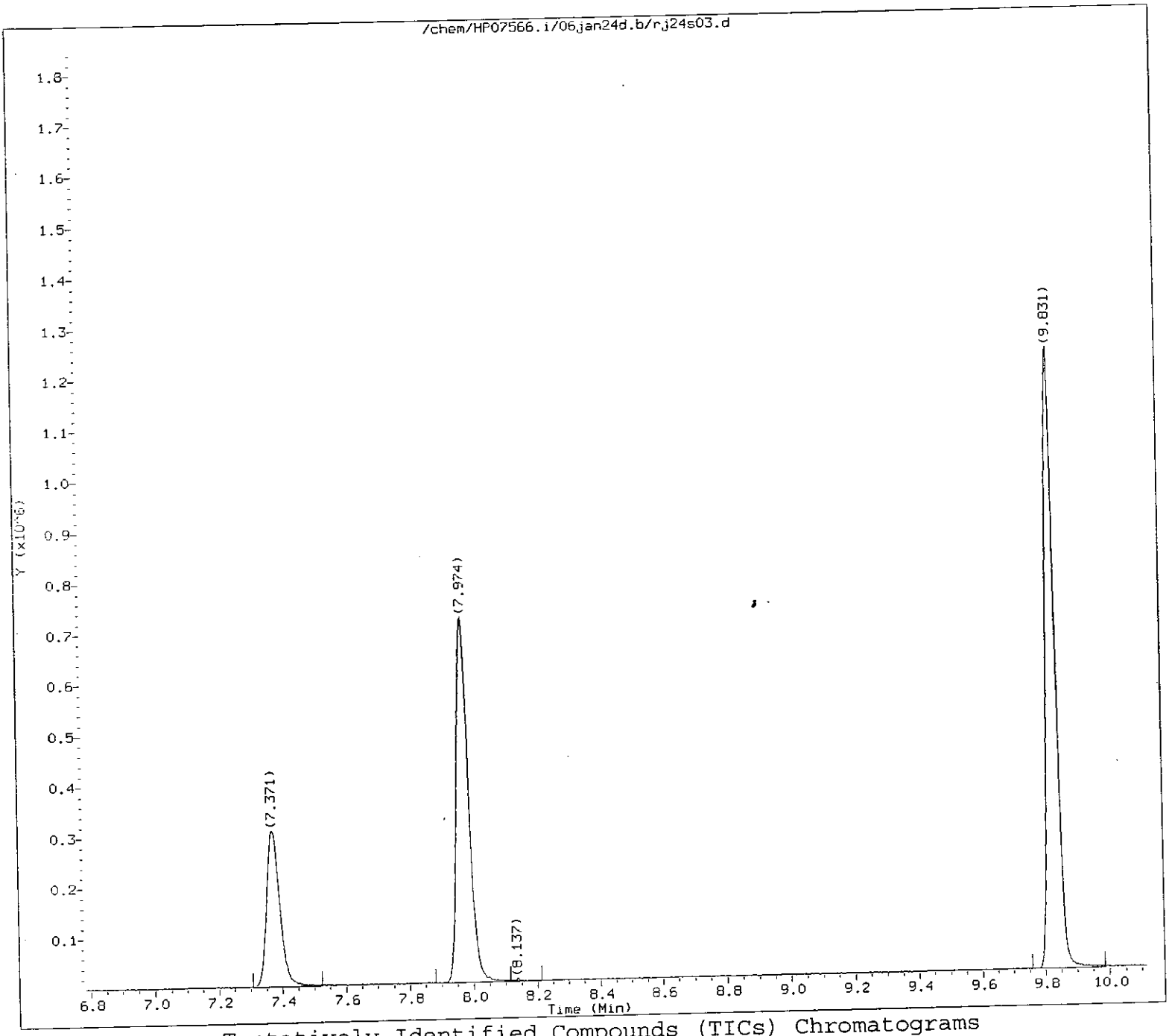
Date, time and analyst ID of latest file update: 25-Jan-2006 08:19 sam00983

Sample Name: TBPNV Lab Sample ID: 4693470

Internal Standard referenced: Bromochloromethane at 6.591 minutes
Chromatogram Start Time (min.): 1.594
Chromatogram End Time (min.): 7.283

~~8289~~

1/25/06



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24d.b/rj24s03.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 20:19 Analyst ID: JML01693

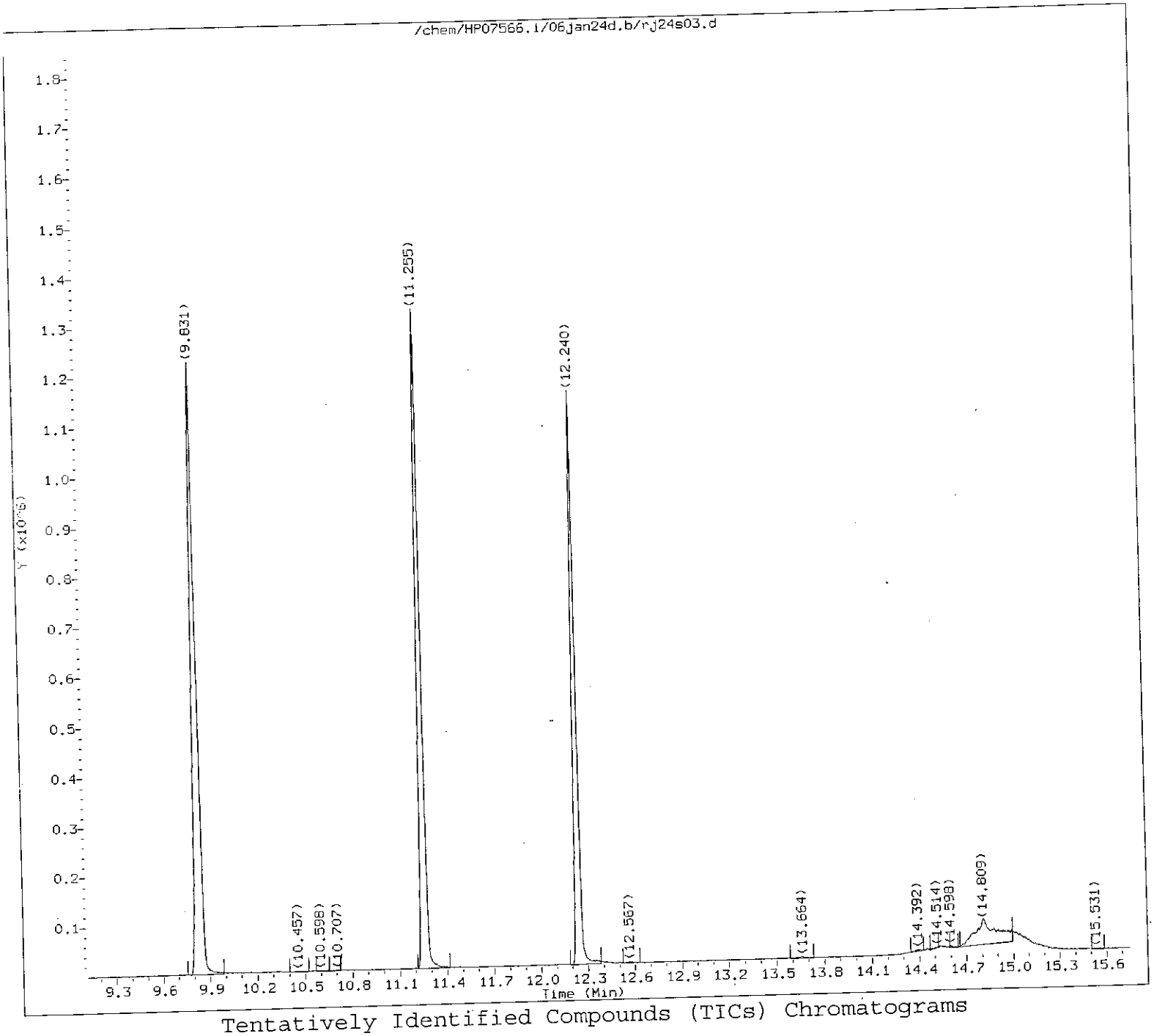
Date, time and analyst ID of latest file update: 25-Jan-2006 08:19 sam00983

Sample Name: TBPNV Lab Sample ID: 4693470

Internal Standard referenced: 1,4-Difluorobenzene at 7.974 minutes
Chromatogram Start Time (min.): 7.283
Chromatogram End Time (min.): 9.615

~~0298~~

1/25/06



Tentatively Identified Compounds (TICs) Chromatograms

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24d.b/rj24s03.d
Injection date and time: 24-JAN-2006 20:19

Instrument ID: HP07566.i
Analyst ID: JML01693

Date, time and analyst ID of latest file update: 25-Jan-2006 08:19 sam00983

Sample Name: TBPNV

Lab Sample ID: 4693470

Internal Standard referenced: Chlorobenzene-d5 at 11.255 minutes
Chromatogram Start Time (min.): 9.615
Chromatogram End Time (min.): 15.749

0291

Data File: /chem/HP07566.i/06jan24d.b/rj24s03.d
Report Date: 25-Jan-2006 08:49

Lancaster Laboratories

Data file : /chem/HP07566.i/06jan24d.b/rj24s03.d
Lab Smp Id: 4693470 Client Smp ID: TBPNV
Inj Date : 24-JAN-2006 20:19
Operator : JML01693 Inst ID: HP07566.i
Smp Info : TBPNV;4693470;1;0;;
Misc Info : 7156.sub;R060241AA;;5;5;;rj24b01;38A
Comment : Max. number of TICs to report is 30, 1 TICs were found initially.
Method : /chem/HP07566.i/06jan24d.b/ROLM32W.m
Meth Date : 25-Jan-2006 07:51 sam00983 Quant Type: ISTD
Cal Date : 24-JAN-2006 18:19 Cal File: rj24c01.d
Als bottle: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 7156.sub
Target Version: 3.50
Processing Host: d21cs04

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

Name	Value	Description
DF	1.00000	Dilution Factor
Vt	5.00000	normal purge volume
Vo	5.00000	sample volume

Cpnd Variable Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 87 Chlorobenzene-d5	11.255	2270929	50.000

	CONCENTRATIONS			QUANT			
RT	AREA	ON-COL(ug/L)	FINAL(ug/L)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown siloxane				CAS #:			
14.809	493929	10.8750299	10.87503	0		0	87

0292

Data File: /chem/HP07566.i/06jan24d.b/rj24s03.d

Date : 24-JAN-2006 20:19

Client ID: TBPNV

Sample Info: TBPNV;4693470;1;0;;

Purge Volume: 5.0

Column phase: DB-624

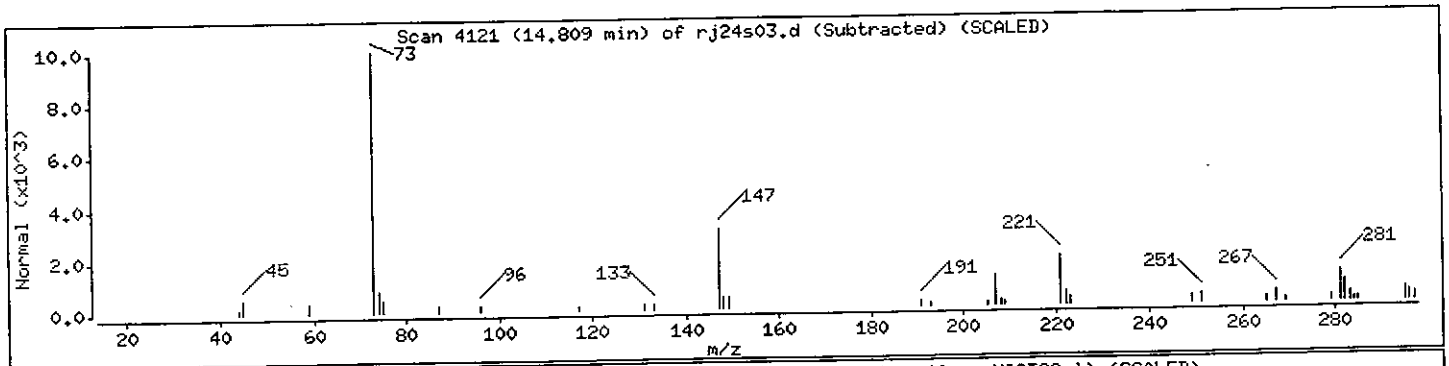
Instrument: HP07566.i

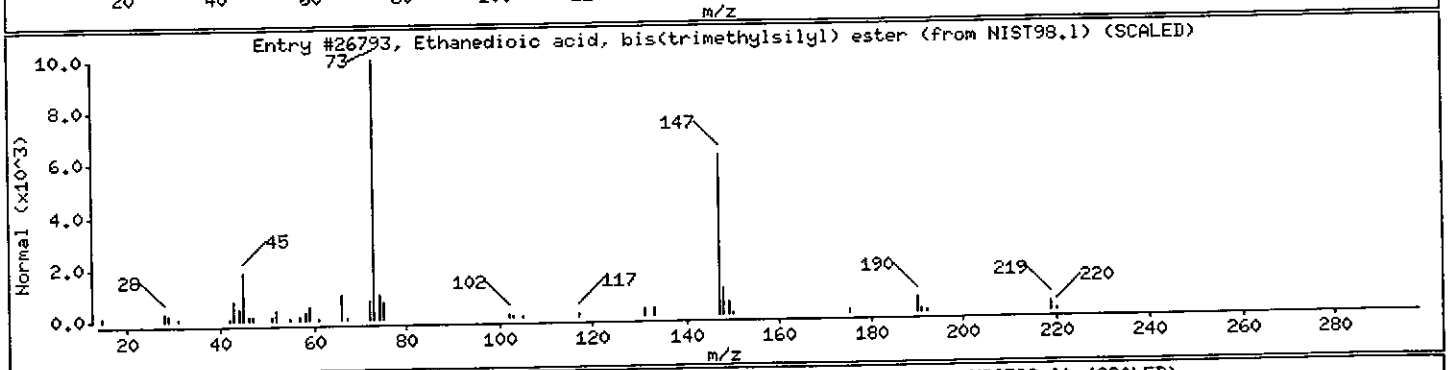
Operator: JWL01693

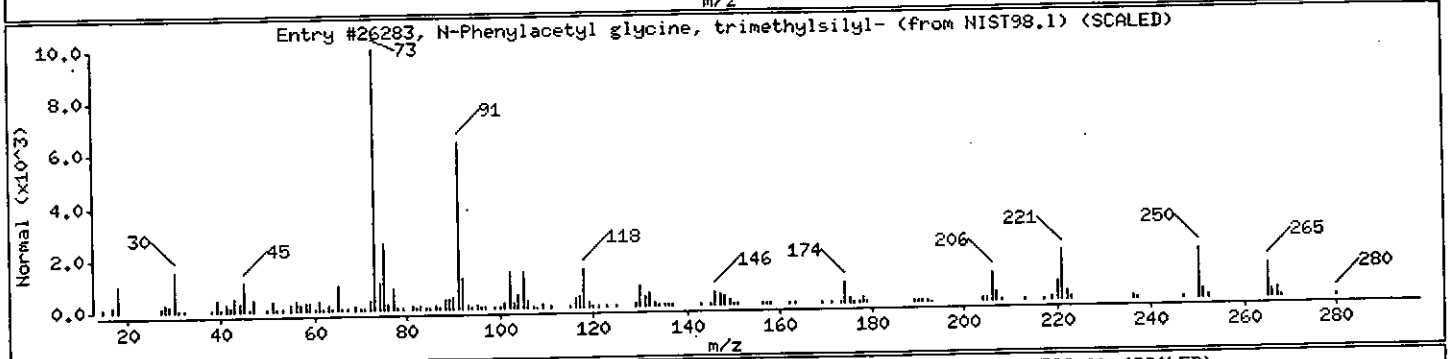
Column diameter: 0.25

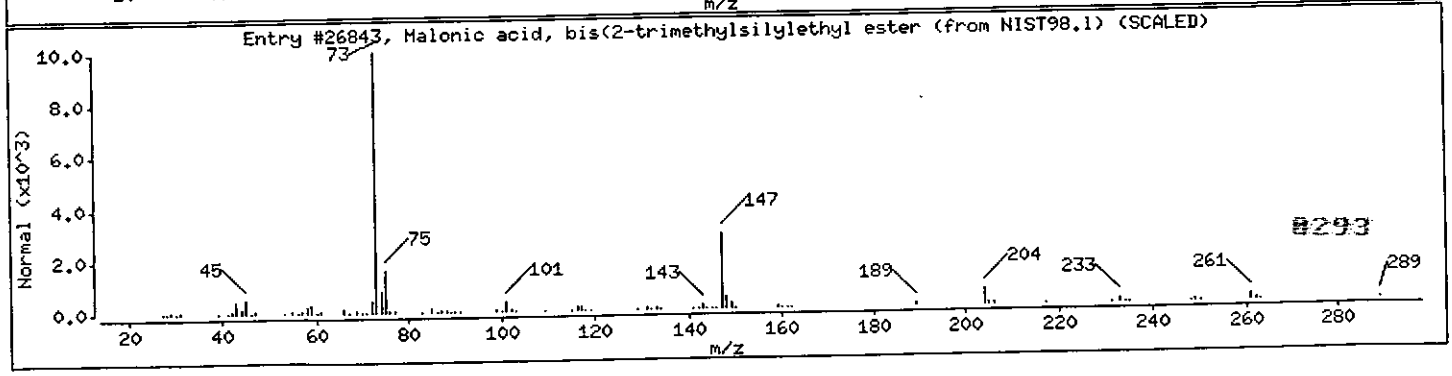
Review Code:

Library Search Compound Match	CAS Number	Library	Entry	Quality	Formula	Weight
Ethanedioic acid, bis(trimethylsilyl) es	18294-04-7	NIST98.1	26793	27	C8H18O4Si2	234
N-Phenylacetyl glycine, trimethylsilyl-	1000079-54-4	NIST98.1	26283	17	C13H19NO3Si	265
Malonic acid, bis(2-trimethylsilylethyl	90744-45-9	NIST98.1	26843	16	C13H28O4Si2	304









0293

Standards Data

0294

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Lancaster Laboratories Contract:_____

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

Instrument ID: HP07566 Calibration Date(s): 01/26/06 01/26/06

Heated Purge: (Y/N) Y Calibration Time(s): 09:58 13:34

GC Column: DB-624 ID: .25 (mm)

LAB FILE ID: RRF 10= rj26i07.d RRF 20= rj26i08.d
RRF 50= rj26i03.d RRF100= rj26i04.d RRF200= rj26i05.d

COMPOUND	RRF 10	RRF 20	RRF 50	RRF100	RRF200	$\overline{RRF}$	% RSD	
Chloromethane	3.8507	3.6833	3.7307	3.6356	3.2453	3.6291	6.3	
Vinyl Chloride	*3.1456	3.3051	3.2936	3.1991	2.8798	3.1646	5.4	*
Bromomethane	*2.2208	2.0782	2.0946	2.0738	1.8840	2.0703	5.8	*
Chloroethane	1.9940	1.9449	1.9262	1.8688	1.6709	1.8810	6.7	
1,1-Dichloroethene	*1.8280	1.9241	1.7791	1.9007	1.7893	1.8442	3.5	*
Acetone	1.4888	1.2926	1.0381	0.9857	1.0900	1.1791	17.7	
Carbon Disulfide	7.3257	7.3329	6.8235	7.3947	6.8468	7.1447	4.0	
Methylene Chloride	2.6546	2.5054	2.1824	2.3427	2.2047	2.3779	8.5	
trans-1,2-Dichloroethene	2.3092	2.2024	2.0480	2.2050	2.0487	2.1626	5.2	
1,1-Dichloroethane	*5.1094	4.8474	4.5475	4.8992	4.5678	4.7942	5.0	*
cis-1,2-Dichloroethene	2.4892	2.3981	2.1643	2.3557	2.2374	2.3290	5.5	
2-Butanone	1.7240	1.5598	1.5552	1.4816	1.7380	1.6117	7.0	
Chloroform	*4.9655	4.8287	4.4877	4.8403	4.5228	4.7290	4.5	*
1,1,1-Trichloroethane	*0.6824	0.6877	0.6624	0.6985	0.6733	0.6809	2.0	*
Carbon Tetrachloride	*0.5168	0.5477	0.5450	0.5774	0.5650	0.5504	4.2	*
1,2-Dichloroethene (Total)	2.3992	2.3002	2.1061	2.2804	2.1431	2.2458	5.3	
Benzene	*1.5523	1.4779	1.3877	1.4776	1.4324	1.4656	4.2	*
1,2-Dichloroethane	*4.7334	4.6521	4.3857	4.7056	4.5628	4.6079	3.0	*
Trichloroethene	*0.3630	0.3406	0.3292	0.3473	0.3396	0.3440	3.6	*
1,2-Dichloropropane	0.4176	0.4092	0.3843	0.4062	0.4013	0.4037	3.0	
Bromodichloromethane	*0.5722	0.5615	0.5366	0.5774	0.5813	0.5658	3.2	*
cis-1,3-Dichloropropene	*0.6390	0.6328	0.6086	0.6514	0.6594	0.6382	3.0	*
4-Methyl-2-Pentanone	0.7338	0.7001	0.6224	0.6088	0.7148	0.6760	8.4	
Toluene	*1.8763	1.7175	1.6700	1.7300	1.6633	1.7314	5.0	*
trans-1,3-Dichloropropene	*0.6339	0.6246	0.6199	0.6612	0.6905	0.6460	4.6	*
1,1,2-Trichloroethane	*0.3539	0.3285	0.3025	0.3125	0.3269	0.3248	6.0	*
Tetrachloroethene	*0.3247	0.2854	0.2938	0.3038	0.2988	0.3013	4.9	*
2-Hexanone	0.4899	0.4659	0.4321	0.4329	0.5242	0.4690	8.4	
Dibromochloromethane	*0.3649	0.3722	0.3570	0.3832	0.4040	0.3762	4.8	*
Chlorobenzene	*1.1174	1.0609	1.0215	1.0691	1.0445	1.0627	3.3	*
Ethylbenzene	*0.5984	0.5713	0.5679	0.5938	0.5856	0.5834	2.3	*
m+p-Xylene	0.7477	0.6959	0.7040	0.7418	0.7347	0.7248	3.2	
Xylene (Total)	*0.7465	0.7023	0.6936	0.7365	0.7347	0.7227	3.2	*
o-Xylene	0.7465	0.7023	0.6936	0.7365	0.7347	0.7227	3.2	
Styrene	*1.1524	1.1280	1.0977	1.2156	1.2240	1.1636	4.7	*
Bromoform	*0.2254	0.2380	0.2411	0.2600	0.2951	0.2519	10.8	*
1,1,2,2-Tetrachloroethane	*0.5510	0.5344	0.4917	0.5131	0.5536	0.5288	5.0	*
1,2-Dichloroethane-d4(mz102)	0.5130	0.4982	0.4943	0.4782	0.4762	0.4920	3.1	
1,2-Dichloroethane-d4	3.7921	3.7451	3.7685	3.7260	3.6093	3.7282	1.9	
Toluene-d8(mz100)	0.9662	0.9247	0.9379	0.9138	0.8618	0.9209	4.2	
4-Bromofluorobenzene(mz174)	0.4467	0.4327	0.4339	0.4363	0.4340	0.4367	1.3	
Toluene-d8	1.5451	1.4595	1.4652	1.4316	1.3474	1.4498	4.9	
4-Bromofluorobenzene	*0.6054	0.5834	0.6003	0.5910	0.5882	0.5937	1.5	*

0295

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

FORM VI VOA OLM03.0

Internal Standard Area and Retention Time Summary

Initial Calibration Standards:

/chem/HP07566.i/06jan26x.b/rj26i03.d VSTD050
/chem/HP07566.i/06jan26x.b/rj26i04.d VSTD100
/chem/HP07566.i/06jan26x.b/rj26i07.d VSTD010
/chem/HP07566.i/06jan26x.b/rj26i05.d VSTD200
/chem/HP07566.i/06jan26x.b/rj26i08.d VSTD020

Area Summary

File ID:

Internal Standard Name	rj26i03.d	rj26i04.d	rj26i07.d	rj26i05.d	rj26i08.d	Avg. Area	%RSD	In Spec
Bromochloromethane	127216	126461	135788	135718	131283	131293	3	Yes
1,4-Difluorobenzene	807931	812239	845492	843846	836164	829134	2	Yes
Chlorobenzene-d5	729459	736794	739541	780350	745671	746363	3	Yes

%RSD of internal standard area is flagged out of spec if greater than 30.

RT Summary

File ID:

Internal Standard Name	rj26i03.d	rj26i04.d	rj26i07.d	rj26i05.d	rj26i08.d	Avg. RT
Bromochloromethane	6.569	6.569	6.572	6.572	6.568	6.570
1,4-Difluorobenzene	7.961	7.958	7.958	7.965	7.960	7.960
Chlorobenzene-d5	11.255	11.252	11.252	11.253	11.255	11.254

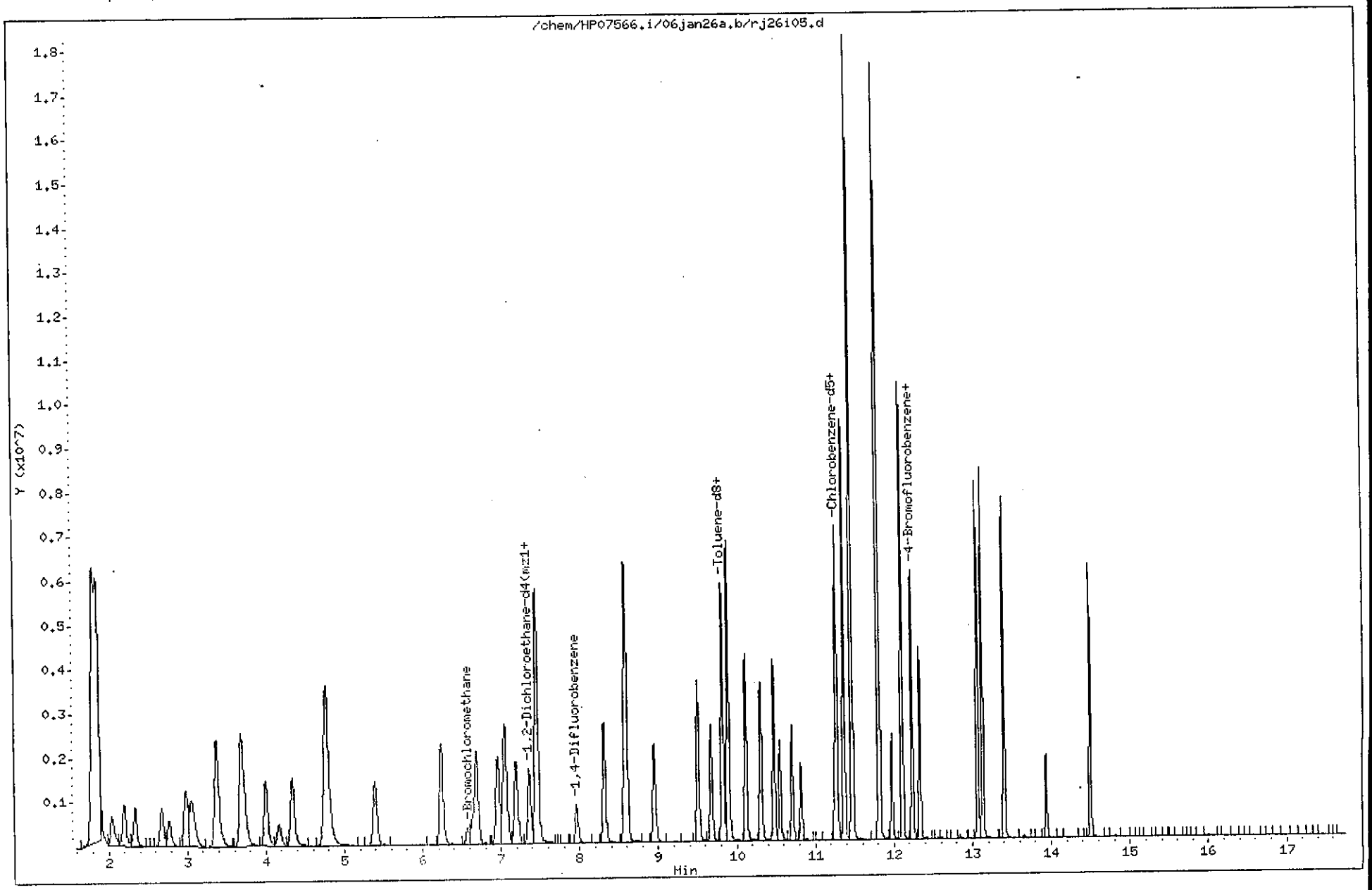
* indicates the retention time is greater than 30 seconds from the average RT.

Data File: /chem/HP07566.i/06jan26a.b/rj26i05.d
Date : 26-JAN-2006 11:24
Client ID: VSTD200
Sample Info: VSTD200;VSTD200;2;1;;

Column phase: DB-624

Instrument: HP07566.i

Operator: SAM00983
Column diameter: 0.25



Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26a.b/rj26i05.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 11:24 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan26a.b/RASH42SL.m Sublist used: ASH42SI
Calibration date and time: 26-JAN-2006 09:04
Date, time and analyst ID of latest file update: 26-Jan-2006 11:53 Automation

Sample Name: VSTD200 Lab Sample ID: VSTD200

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
3) Dichlorodifluoromethane	(1)	2.046	85	1754510	203.144
4) Chloromethane	(1)	2.204	50	1761783	178.417
6) Vinyl Chloride	(1)	2.341	62	1563385	180.953
7) Bromomethane	(1)	2.682	94	1022801	183.018
8) Chloroethane	(1)	2.775	64	907074	180.221
9) Dichlorofluoromethane	(1)	2.980	67	2594736	179.124
11) Trichlorofluoromethane	(1)	3.060	101	2150278	188.127
17) Ethyl Ether	(1)	3.374	59	1300387	200.129
18) Freon 123a	(1)	3.384	67	1410216	180.294
20) 1,1-Dichloroethene	(1)	3.686	96	971369	201.672
22) Freon 113	(1)	3.718	101	1075096	213.979
23) Acetone	(1)	3.708	43	591751	194.775
24) Carbon Disulfide	(1)	4.000	76	3716928	198.576
28) Methyl Acetate	(1)	4.173	43	1269372	217.016
31) Methylene Chloride	(1)	4.343	84	1196884	192.392
34) trans-1,2-Dichloroethene	(1)	4.773	96	1112173	198.709
33) Methyl Tertiary Butyl Ether	(1)	4.773	73	4861698	209.453
41) 1,1-Dichloroethane	(1)	5.395	63	2479715	199.231
48) cis-1,2-Dichloroethene	(1)	6.242	96	1214652	201.780
50) 2-Butanone	(1)	6.236	43	943506	225.682
51) *Bromochloromethane	(1)	6.572	128	135718	50.000
52) Tetrahydrofuran	(1)	6.637	71	193804	218.147
57) Chloroform	(1)	6.685	83	2455300	198.660
60) 1,1,1-Trichloroethane	(2)	6.957	97	2272628	202.435
61) Cyclohexane	(2)	7.054	56	2162047	220.395
63) Carbon Tetrachloride	(2)	7.195	117	1907279	208.108
1) 1,2-Dichloroethene (Total)	(1)		96	2326825	400.600
68) Benzene	(2)	7.455	78	4835024	202.905
69) 1,2-Dichloroethane	(1)	7.461	62	2477044	204.371
71) *1,4-Difluorobenzene	(2)	7.965	114	843846	50.000
73) Trichloroethene	(2)	8.314	130	1146456	204.474
74) Methylcyclohexane	(2)	8.584	83	1984924	227.048
76) 1,2-Dichloropropane	(2)	8.593	63	1354550	205.569
79) Bromodichloromethane	(2)	8.949	83	1962190	211.345

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26a.b/rj26i05.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 11:24 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan26a.b/RASH42SL.m Sublist used: ASH42SI
Calibration date and time: 26-JAN-2006 09:04
Date, time and analyst ID of latest file update: 26-Jan-2006 11:53 Automation

Sample Name: VSTD200 Lab Sample ID: VSTD200

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
80) cis-1,3-Dichloropropene	(2)	9.508	75	2225573	214.586
81) 4-Methyl-2-Pentanone	(3)	9.678	43	2231275	225.674
85) Toluene	(3)	9.896	91	5191827	197.280
86) trans-1,3-Dichloropropene	(2)	10.120	75	2330631	220.714
87) 1,1,2-Trichloroethane	(2)	10.313	97	1103515	209.953
89) Tetrachloroethene	(3)	10.480	164	932582	201.197
90) 2-Hexanone	(3)	10.553	43	1636238	240.310
91) Dibromochloromethane	(2)	10.707	129	1363554	222.391
93) 1,2-Dibromoethane	(3)	10.823	107	1218581	212.832
94) *Chlorobenzene-d5	(3)	11.253	117	780350	50.000
95) Chlorobenzene	(3)	11.278	112	3260209	202.259
96) Ethylbenzene	(3)	11.371	106	1827777	206.343
98) m+p-Xylene	(3)	11.474	106	4586699	418.100
92) Xylene (Total)	(3)		106	6879954	631.974
102) o-Xylene	(3)	11.814	106	2293255	210.652
105) Styrene	(3)	11.820	104	3820684	222.793
108) Bromoform	(2)	11.981	173	996151	238.143
111) Isopropylbenzene	(3)	12.112	105	5924697	210.575
115) 1,1,2,2-Tetrachloroethane	(3)	12.334	83	1727994	218.273
121) 1,3-Dichlorobenzene	(3)	13.071	146	2645821	230.425
122) 1,4-Dichlorobenzene	(3)	13.136	146	2762907	230.079
125) 1,2-Dichlorobenzene	(3)	13.408	146	2597421	228.112
127) 1,2-Dibromo-3-Chloropropane	(3)	13.941	75	467830	259.496
131) 1,2,4-Trichlorobenzene	(3)	14.502	180	1508237	319.575
66) $1,2-Dichloroethane-d4(mz102)	(1)	7.362	102	258492	196.901
84) $Toluene-d8(mz100)	(3)	9.822	100	2690128	186.588
67) $1,2-Dichloroethane-d4	(1)	7.358	65	1959403	194.025
114) $4-Bromofluorobenzene(mz174)	(3)	12.237	174	1354560	202.365
83) $Toluene-d8	(3)	9.822	98	4205879	185.266
113) $4-Bromofluorobenzene	(3)	12.237	95	1836026	199.807

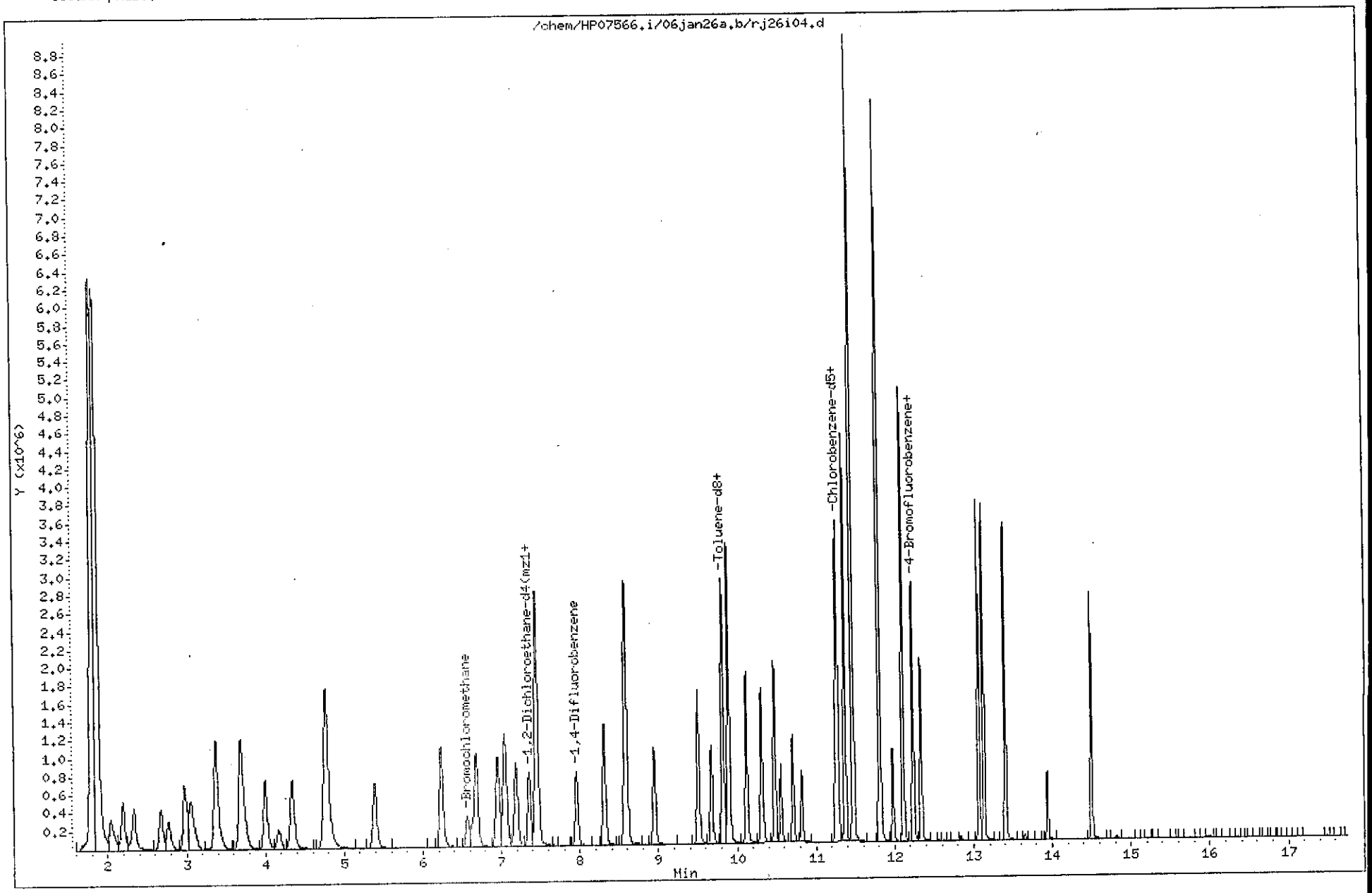
* = Compound is an internal standard.
$ = Compound is a surrogate standard.

Data File: /chem/HP07566.i/06jan26a.b/rj26i04.d
Date : 26-JAN-2006 10:57
Client ID: VSTD100
Sample Info: VSTD100;VSTD100;2;1;;

Column phase: DB-624

Instrument: HP07566.i

Operator: SAN00983
Column diameter: 0.25



Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26a.b/rj26i04.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 10:57 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan26a.b/RASH42SL.m Sublist used: ASH42SI
Calibration date and time: 26-JAN-2006 09:04
Date, time and analyst ID of latest file update: 26-Jan-2006 11:28 Automation

Sample Name: VSTD100 Lab Sample ID: VSTD100

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
3) Dichlorodifluoromethane	(1)	2.040	85	759539	94.753
4) Chloromethane	(1)	2.197	50	919533	97.313
6) Vinyl Chloride	(1)	2.338	62	809127	98.170
7) Bromomethane	(1)	2.678	94	524524	98.634
8) Chloroethane	(1)	2.778	64	472668	98.354
9) Dichlorofluoromethane	(1)	2.980	67	1379836	99.628
11) Trichlorofluoromethane	(1)	3.060	101	1041381	96.349
17) Ethyl Ether	(1)	3.371	59	610915	100.918
18) Freon 123a	(1)	3.387	67	744077	99.638
20) 1,1-Dichloroethene	(1)	3.685	96	480738	107.340
22) Freon 113	(1)	3.717	101	468936	101.947
23) Acetone	(1)	3.708	43	249317	87.499
24) Carbon Disulfide	(1)	4.000	76	1870293	107.044
28) Methyl Acetate	(1)	4.167	43	533379	99.990
31) Methylene Chloride	(1)	4.337	84	592513	101.252
34) trans-1,2-Dichloroethene	(1)	4.770	96	557701	106.765
33) Methyl Tertiary Butyl Ether	(1)	4.773	73	2273181	106.359
41) 1,1-Dichloroethane	(1)	5.389	63	1239122	106.742
48) cis-1,2-Dichloroethene	(1)	6.236	96	595818	106.461
50) 2-Butanone	(1)	6.229	43	374727	99.385
51) *Bromochloromethane	(1)	6.569	128	126461	50.000
52) Tetrahydrofuran	(1)	6.637	71	79060	97.721
57) Chloroform	(1)	6.688	83	1224213	106.125
60) 1,1,1-Trichloroethane	(2)	6.957	97	1134670	105.325
61) Cyclohexane	(2)	7.047	56	964017	104.765
63) Carbon Tetrachloride	(2)	7.191	117	937962	107.414
1) 1,2-Dichloroethene (Total)	(1)		96	1153519	213.215
68) Benzene	(2)	7.451	78	2400379	105.035
69) 1,2-Dichloroethane	(1)	7.458	62	1190161	105.962
71) *1,4-Difluorobenzene	(2)	7.958	114	812239	50.000
73) Trichloroethene	(2)	8.311	130	564171	105.125
74) Methylcyclohexane	(2)	8.577	83	853374	104.962
76) 1,2-Dichloropropane	(2)	8.587	63	659864	104.768
79) Bromodichloromethane	(2)	8.946	83	937978	106.470

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26a.b/rj26i04.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 10:57 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan26a.b/RASH42SL.m Sublist used: ASH42SI
Calibration date and time: 26-JAN-2006 09:04
Date, time and analyst ID of latest file update: 26-Jan-2006 11:28 Automation

Sample Name: VSTD100 Lab Sample ID: VSTD100

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
80) cis-1,3-Dichloropropene	(2)	9.507	75	1058136	107.962
81) 4-Methyl-2-Pentanone	(3)	9.677	43	897136	99.288
85) Toluene	(3)	9.896	91	2549380	102.251
86) trans-1,3-Dichloropropene	(2)	10.120	75	1074141	108.490
87) 1,1,2-Trichloroethane	(2)	10.309	97	507649	101.607
89) Tetrachloroethene	(3)	10.479	164	447606	102.429
90) 2-Hexanone	(3)	10.556	43	637939	104.497
91) Dibromochloromethane	(2)	10.707	129	622469	108.510
93) 1,2-Dibromoethane	(3)	10.819	107	545805	102.609
94) *Chlorobenzene-d5	(3)	11.252	117	736794	50.000
95) Chlorobenzene	(3)	11.278	112	1575458	103.810
96) Ethylbenzene	(3)	11.371	106	875026	105.460
98) m+p-Xylene	(3)	11.474	106	2186355	213.494
92) Xylene (Total)	(3)		106	3271658	322.586
102) o-Xylene	(3)	11.811	106	1085303	107.011
105) Styrene	(3)	11.820	104	1791299	113.874
108) Bromoform	(2)	11.981	173	422382	110.158
111) Isopropylbenzene	(3)	12.112	105	2885296	110.066
115) 1,1,2,2-Tetrachloroethane	(3)	12.333	83	756106	103.519
121) 1,3-Dichlorobenzene	(3)	13.071	146	1229258	117.868
122) 1,4-Dichlorobenzene	(3)	13.132	146	1277076	117.035
125) 1,2-Dichlorobenzene	(3)	13.408	146	1201276	115.805
127) 1,2-Dibromo-3-Chloropropane	(3)	13.941	75	189714	120.406
131) 1,2,4-Trichlorobenzene	(3)	14.502	180	687303	181.344
66) $1,2-Dichloroethane-d4(mz102)	(1)	7.361	102	120941	98.486
84) $Toluene-d8(mz100)	(3)	9.822	100	1346532	97.286
67) $1,2-Dichloroethane-d4	(1)	7.358	65	942383	99.406
114) $4-Bromofluorobenzene(mz174)	(3)	12.237	174	642878	102.022
83) $Toluene-d8	(3)	9.822	98	2109615	96.641
113) $4-Bromofluorobenzene	(3)	12.237	95	870972	100.363

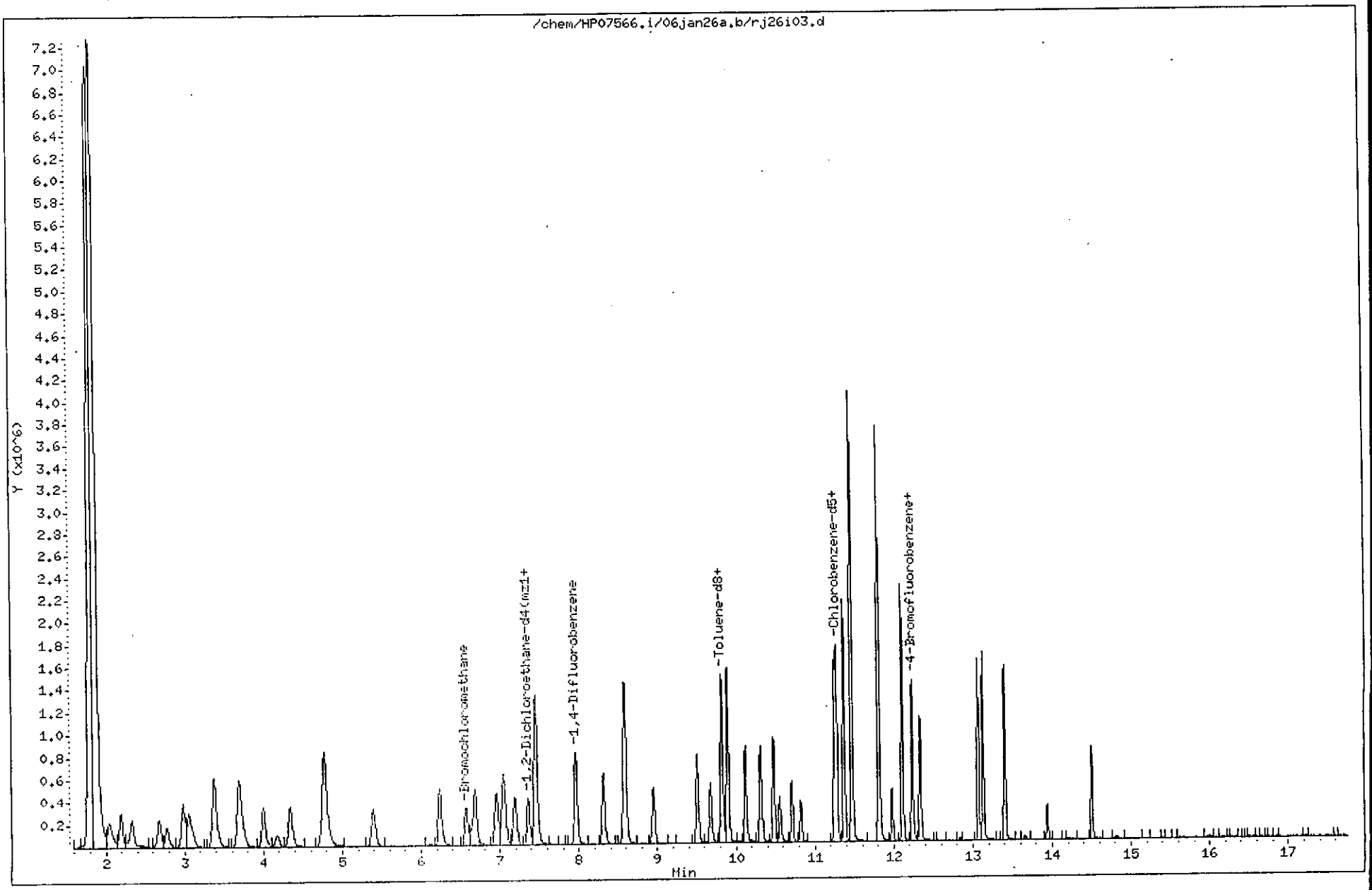
* = Compound is an internal standard.
$ = Compound is a surrogate standard.

Data File: /chem/HP07566.i/06jan26a.b/rj26i03.d
Date : 26-JAN-2006 09:58
Client ID: VSTD050
Sample Info: VSTD050;VSTD050;2;1;;

Column phase: DB-624

Instrument: HP07566.i

Operator: SAM00983
Column diameter: 0.25



Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26a.b/rj26i03.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 09:58 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan26a.b/RASH42SL.m Sublist used: ASH42SI
Calibration date and time: 26-JAN-2006 09:04
Date, time and analyst ID of latest file update: 26-Jan-2006 10:28 Automation

Sample Name: VSTD050 Lab Sample ID: VSTD050

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
3) Dichlorodifluoromethane	(1)	2.046	85	442186	57.899
4) Chloromethane	(1)	2.190	50	474603	50.319
6) Vinyl Chloride	(1)	2.331	62	419000	50.727
7) Bromomethane	(1)	2.675	94	266468	50.566
8) Chloroethane	(1)	2.774	64	245050	51.229
9) Dichlorofluoromethane	(1)	2.983	67	695544	53.070
11) Trichlorofluoromethane	(1)	3.063	101	569751	53.870
17) Ethyl Ether	(1)	3.377	59	312299	51.149
18) Freon 123a	(1)	3.384	67	379221	53.821
20) 1,1-Dichloroethene	(1)	3.692	96	226326	56.235
22) Freon 113	(1)	3.717	101	247371	63.549
23) Acetone	(1)	3.714	43	132065	43.354
24) Carbon Disulfide	(1)	4.003	76	868061	56.104
28) Methyl Acetate	(1)	4.173	43	261906	46.748
31) Methylene Chloride	(1)	4.340	84	277633	50.556
34) trans-1,2-Dichloroethene	(1)	4.776	96	260535	56.042
33) Methyl Tertiary Butyl Ether	(1)	4.779	73	1079285	52.402
41) 1,1-Dichloroethane	(1)	5.395	63	578516	55.484
48) cis-1,2-Dichloroethene	(1)	6.239	96	275334	54.181
50) 2-Butanone	(1)	6.242	43	197843	47.772
51) *Bromochloromethane	(1)	6.569	128	127216	50.000
52) Tetrahydrofuran	(1)	6.636	71	40057	46.486
57) Chloroform	(1)	6.688	83	570913	54.641
60) 1,1,1-Trichloroethane	(2)	6.954	97	535212	56.054
61) Cyclohexane	(2)	7.047	56	483445	63.275
63) Carbon Tetrachloride	(2)	7.194	117	440367	58.422
1) 1,2-Dichloroethene (Total)	(1)		96	535869	110.139
68) Benzene	(2)	7.454	78	1121144	54.895
69) 1,2-Dichloroethane	(1)	7.461	62	557929	52.246
71) *1,4-Difluorobenzene	(2)	7.961	114	807931	50.000
73) Trichloroethene	(2)	8.314	130	265942	55.979
74) Methylcyclohexane	(2)	8.583	83	430412	64.288
76) 1,2-Dichloropropane	(2)	8.590	63	310511	54.745
79) Bromodichloromethane	(2)	8.952	83	433558	53.820

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26a.b/rj26i03.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 09:58 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan26a.b/RASH42SL.m Sublist used: ASH42SI
Calibration date and time: 26-JAN-2006 09:04
Date, time and analyst ID of latest file update: 26-Jan-2006 10:28 Automation

Sample Name: VSTD050 Lab Sample ID: VSTD050

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
80) cis-1,3-Dichloropropene	(2)	9.510	75	491730	55.247
81) 4-Methyl-2-Pentanone	(3)	9.680	43	454046	47.776
85) Toluene	(3)	9.899	91	1218177	55.902
86) trans-1,3-Dichloropropene	(2)	10.123	75	500822	55.456
87) 1,1,2-Trichloroethane	(2)	10.309	97	244368	51.397
89) Tetrachloroethene	(3)	10.476	164	214345	57.347
90) 2-Hexanone	(3)	10.559	43	315232	48.415
91) Dibromochloromethane	(2)	10.710	129	288465	54.233
93) 1,2-Dibromoethane	(3)	10.822	107	259858	51.790
94) *Chlorobenzene-d5	(3)	11.255	117	729459	50.000
95) Chlorobenzene	(3)	11.278	112	745115	55.578
96) Ethylbenzene	(3)	11.371	106	414258	58.498
98) m+p-Xylene	(3)	11.474	106	1027107	115.559
92) Xylene (Total)	(3)		106	1533100	172.860
102) o-Xylene	(3)	11.810	106	505992	57.052
105) Styrene	(3)	11.820	104	800729	58.391
108) Bromoform	(2)	11.980	173	194764	53.737
111) Isopropylbenzene	(3)	12.112	105	1334673	58.749
115) 1,1,2,2-Tetrachloroethane	(3)	12.333	83	358701	49.735
121) 1,3-Dichlorobenzene	(3)	13.071	146	546553	59.381
122) 1,4-Dichlorobenzene	(3)	13.135	146	569979	57.823
125) 1,2-Dichlorobenzene	(3)	13.408	146	533613	56.097
127) 1,2-Dibromo-3-Chloropropane	(3)	13.943	75	81389	45.234
131) 1,2,4-Trichlorobenzene	(3)	14.505	180	211068	63.369
66) $1,2-Dichloroethane-d4(mz102)	(1)	7.364	102	62879	51.333
84) $Toluene-d8(mz100)	(3)	9.825	100	684138	49.653
67) $1,2-Dichloroethane-d4	(1)	7.361	65	479415	49.540
114) $4-Bromofluorobenzene(mz174)	(3)	12.237	174	316525	50.481
83) $Toluene-d8	(3)	9.822	98	1068839	49.233
113) $4-Bromofluorobenzene	(3)	12.237	95	437900	50.436

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

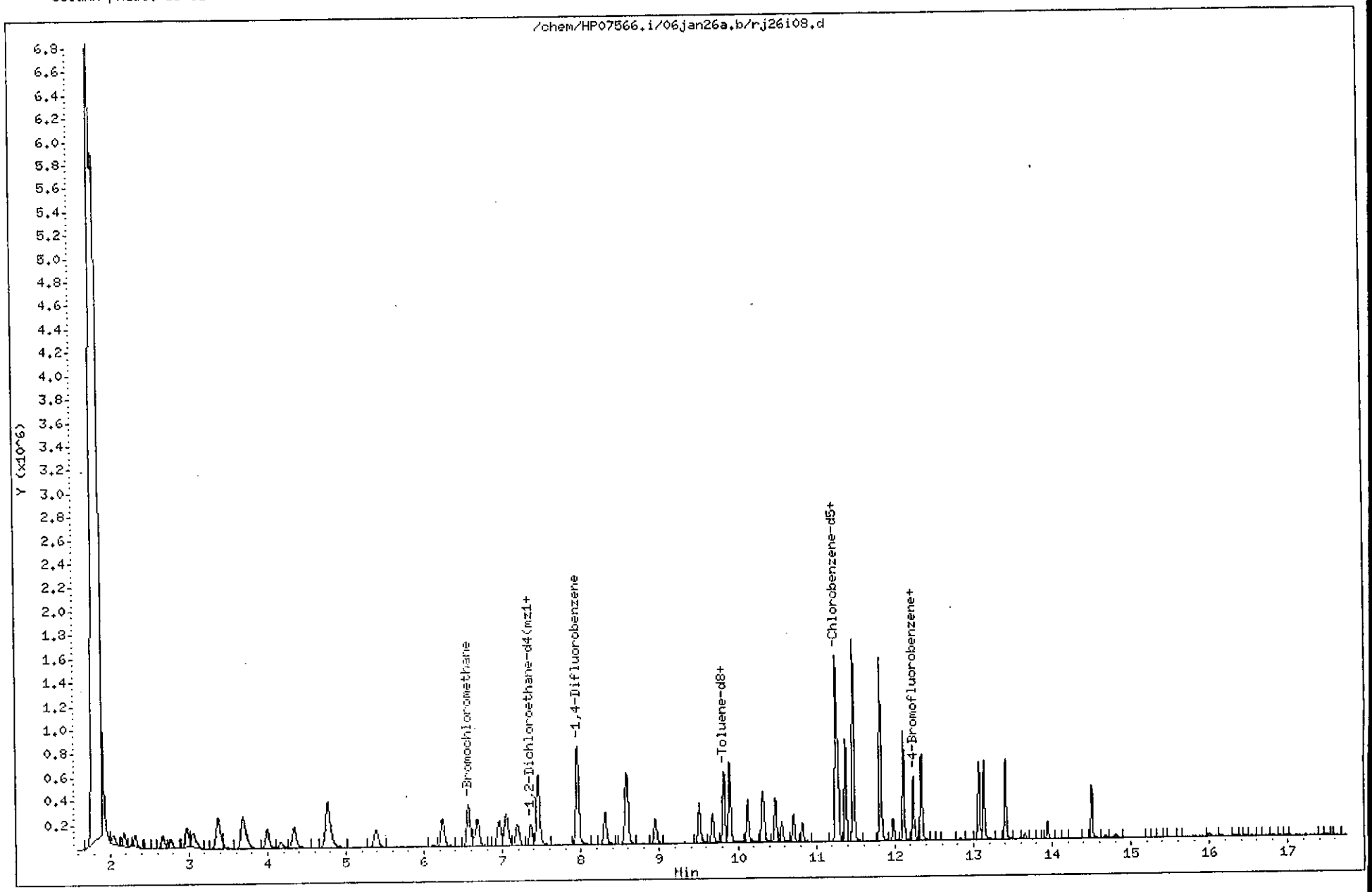
Data File: /chem/HP07566.i/06jan26a.b/rj26i08.d
Date : 26-JAN-2006 13:34
Client ID: VSTD020
Sample Info: VSTD020;VSTD020;2;1;;

Column phase: DB-624

Instrument: HP07566.i

Operator: SAM00983
Column diameter: 0.25

0386



Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26a.b/rj26i08.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 13:34 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan26a.b/RASH42SL.m Sublist used: ASH42SI
Calibration date and time: 26-JAN-2006 09:04
Date, time and analyst ID of latest file update: 26-Jan-2006 15:32 jml01693

Sample Name: VSTD020 Lab Sample ID: VSTD020

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
3) Dichlorodifluoromethane	(1)	2.049	85	190094	22.505
4) Chloromethane	(1)	2.187	50	193422	20.299
6) Vinyl Chloride	(1)	2.324	62	173563	20.888
7) Bromomethane	(1)	2.664	94	109135	20.077
8) Chloroethane	(1)	2.774	64	102132	20.680
9) Dichlorofluoromethane	(1)	2.979	67	296214	20.831
11) Trichlorofluoromethane	(1)	3.059	101	248055	22.397
17) Ethyl Ether	(1)	3.364	59	125143	19.780
18) Freon 123a	(1)	3.386	67	161550	21.164
20) 1,1-Dichloroethene	(1)	3.685	96	101041	20.866
22) Freon 113	(1)	3.704	101	106135	21.442
23) Acetone	(1)	3.723	43	67880	21.926
24) Carbon Disulfide	(1)	4.002	76	385075	20.527
28) Methyl Acetate	(1)	4.172	43	120612	20.426
31) Methylene Chloride	(1)	4.339	84	131565	21.072
34) trans-1,2-Dichloroethene	(1)	4.772	96	115655	20.368
33) Methyl Tertiary Butyl Ether	(1)	4.769	73	472298	20.205
41) 1,1-Dichloroethane	(1)	5.385	63	254550	20.222
48) cis-1,2-Dichloroethene	(1)	6.238	96	125931	20.594
50) 2-Butanone	(1)	6.235	43	81908	19.355
51) *Bromochloromethane	(1)	6.568	128	131283	50.000
52) Tetrahydrofuran	(1)	6.632	71	17113	19.361
57) Chloroform	(1)	6.681	83	253569	20.422
60) 1,1,1-Trichloroethane	(2)	6.953	97	230020	20.201
61) Cyclohexane	(2)	7.046	56	204976	20.681
63) Carbon Tetrachloride	(2)	7.191	117	183189	19.902
1) 1,2-Dichloroethene (Total)	(1)		96	241586	40.970
68) Benzene	(2)	7.454	78	494302	20.168
69) 1,2-Dichloroethane	(1)	7.457	62	244296	20.192
71) *1,4-Difluorobenzene	(2)	7.960	114	836164	50.000
73) Trichloroethene	(2)	8.313	130	113936	19.808
74) Methylcyclohexane	(2)	8.580	83	171234	19.433
76) 1,2-Dichloropropane	(2)	8.586	63	136876	20.273
79) Bromodichloromethane	(2)	8.948	83	187801	19.848

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26a.b/rj26i08.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 13:34 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan26a.b/RASH42SL.m Sublist used: ASH42SI
Calibration date and time: 26-JAN-2006 09:04
Date, time and analyst ID of latest file update: 26-Jan-2006 15:32 jml01693

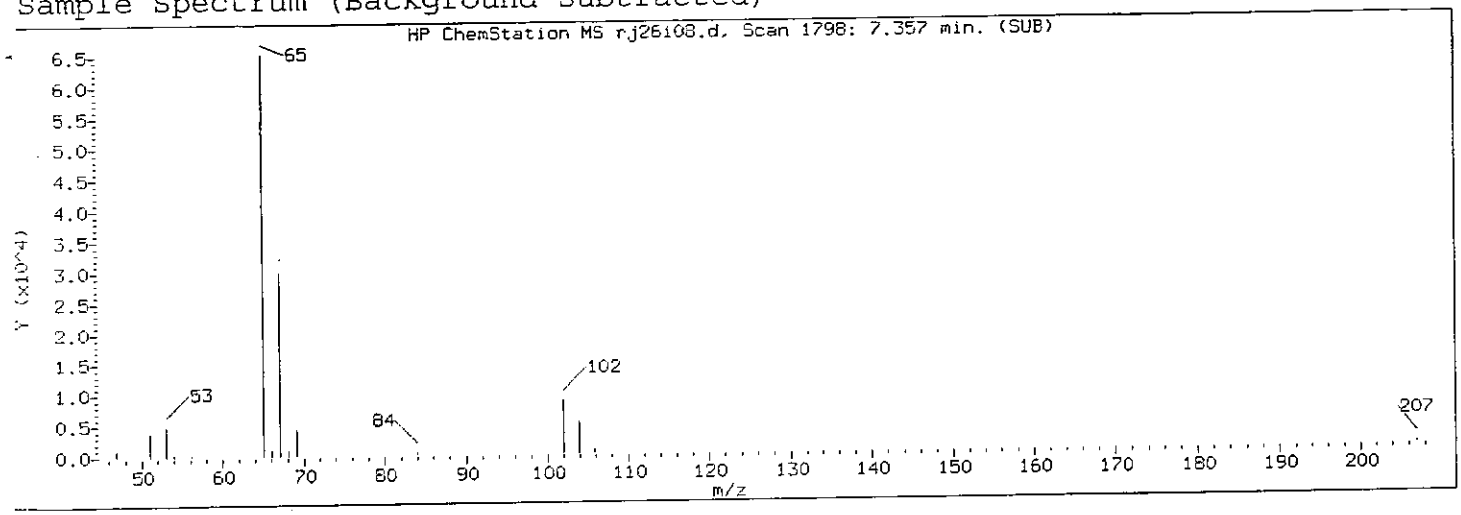
Sample Name: VSTD020 Lab Sample ID: VSTD020

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
80) cis-1,3-Dichloropropene	(2)	9.507	75	211638	19.829
81) 4-Methyl-2-Pentanone	(3)	9.680	43	208827	20.714
85) Toluene	(3)	9.895	91	512274	19.839
86) trans-1,3-Dichloropropene	(2)	10.122	75	208910	19.337
87) 1,1,2-Trichloroethane	(2)	10.309	97	109862	20.223
89) Tetrachloroethene	(3)	10.479	164	85130	18.946
90) 2-Hexanone	(3)	10.562	43	138970	19.868
91) Dibromochloromethane	(2)	10.709	129	124490	19.785
93) 1,2-Dibromoethane	(3)	10.822	107	115465	20.365
94) *Chlorobenzene-d5	(3)	11.255	117	745671	50.000
95) Chlorobenzene	(3)	11.277	112	316444	19.967
96) Ethylbenzene	(3)	11.370	106	170393	19.585
98) m+p-Xylene	(3)	11.473	106	415118	38.402
92) Xylene (Total)	(3)		106	624590	57.949
102) o-Xylene	(3)	11.813	106	209472	19.435
105) Styrene	(3)	11.823	104	336457	19.389
108) Bromoform	(2)	11.983	173	79607	18.895
111) Isopropylbenzene	(3)	12.111	105	539548	19.235
115) 1,1,2,2-Tetrachloroethane	(3)	12.333	83	159387	20.212
121) 1,3-Dichlorobenzene	(3)	13.074	146	223804	19.087
122) 1,4-Dichlorobenzene	(3)	13.135	146	237828	19.206
125) 1,2-Dichlorobenzene	(3)	13.410	146	232541	19.706
127) 1,2-Dibromo-3-Chloropropane	(3)	13.943	75	37755	19.998
131) 1,2,4-Trichlorobenzene	(3)	14.504	180	115837	19.761
66) $1,2-Dichloroethane-d4(mz102)	(1)	7.357	102	26161M	20.253
84) $Toluene-d8(mz100)	(3)	9.821	100	275804	20.083
67) $1,2-Dichloroethane-d4	(1)	7.361	65	196669	20.091
114) $4-Bromofluorobenzene(mz174)	(3)	12.240	174	129055	19.815
83) $Toluene-d8	(3)	9.824	98	435328	20.134
113) $4-Bromofluorobenzene	(3)	12.240	95	174002	19.653

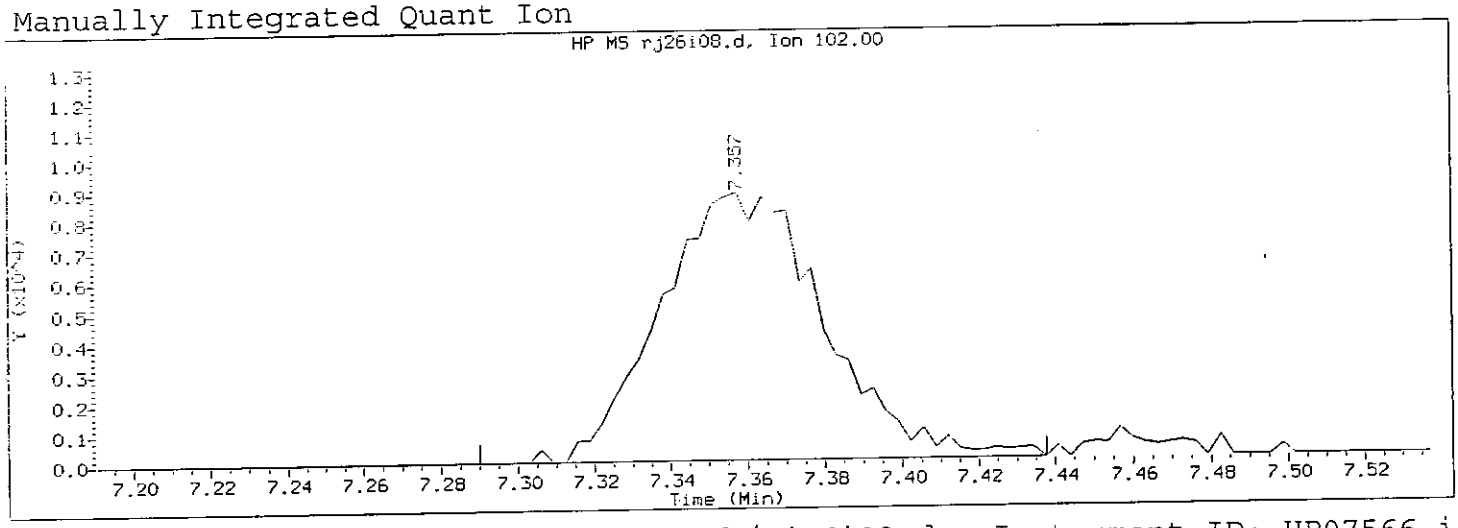
M = Compound was manually integrated.

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP07566.i/06jan26a.b/rj26i08.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 13:34 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan26a.b/RASH42SL.m Sublist used: ASH42SI
Calibration date and time: 26-JAN-2006 14:03
Date, time and analyst ID of latest file update: 26-Jan-2006 15:32 jml01693

Sample Name: VSTD020 Lab Sample ID: VSTD020

Compound Number : 66
Compound Name : 1,2-Dichloroethane-d4(mz102)
Scan Number : 1798
Retention Time (minutes): 7.357
Quant Ion : 102
Area (flag) : 26161 M
Concentration (ug/Kg) : 20.2533
Integration start scan : 1776 Integration stop scan: 1822
Y at integration start : 0 Y at integration end: 0

Reason for manual integration (circle one): missed peak improper integration

Analyst responsible for change: JMS 1/26/06

8389

GC/MS audit/management approval: [illegible] 1/30/06

Manual Integration Report for data file /chem/HP07566.i/06jan26a.b/rj26i08.d, generated on 01/26/2006 at 15:32

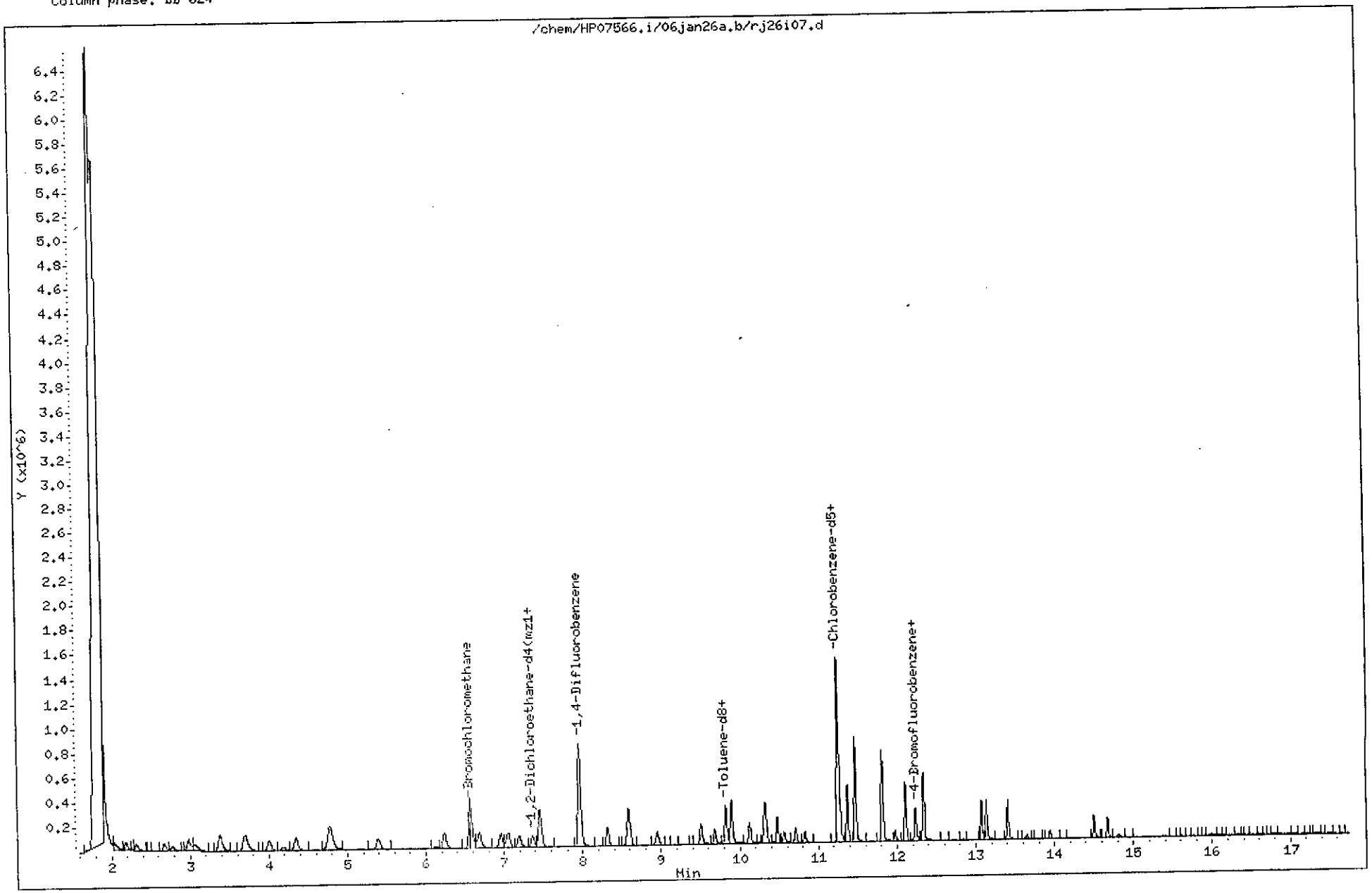
Data File: /chem/HP07566.i/06jan26a.b/rj26i07.d
Date : 26-JAN-2006 12:50
Client ID: VSTD010
Sample Info: VSTD010;VSTD010;2;1;;

Column phase: DB-624

1/26/06

Instrument: HP07566.i

Operator: SAM00983
Column diameter: 0.25



Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26a.b/rj26i07.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 12:50 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan26a.b/RASH42SL.m Sublist used: ASH42SI
Calibration date and time: 26-JAN-2006 09:04
Date, time and analyst ID of latest file update: 26-Jan-2006 13:20 Automation

Sample Name: VSTD010 Lab Sample ID: VSTD010

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
3) Dichlorodifluoromethane	(1)	2.046	85	74796	8.948
4) Chloromethane	(1)	2.187	50	104577	10.722
6) Vinyl Chloride	(1)	2.322	62	85426	10.029
7) Bromomethane	(1)	2.668	94	60311	10.811
8) Chloroethane	(1)	2.774	64	54151	10.774
9) Dichlorofluoromethane	(1)	2.983	67	155765	10.764
11) Trichlorofluoromethane	(1)	3.057	101	103464	9.277
17) Ethyl Ether	(1)	3.377	59	65160	10.024
18) Freon 123a	(1)	3.397	67	79817	10.275
20) 1,1-Dichloroethene	(1)	3.685	96	49645	10.201
22) Freon 113	(1)	3.714	101	44157	8.999
23) Acetone	(1)	3.711	43	40432	12.853
24) Carbon Disulfide	(1)	4.003	76	198948	10.531
28) Methyl Acetate	(1)	4.176	43	66315	10.817
31) Methylene Chloride	(1)	4.337	84	72092	11.407
34) trans-1,2-Dichloroethene	(1)	4.782	96	62711	11.014
33) Methyl Tertiary Butyl Ether	(1)	4.776	73	246929	10.396
41) 1,1-Dichloroethane	(1)	5.392	63	138758	10.930
48) cis-1,2-Dichloroethene	(1)	6.239	96	67600	10.997
50) 2-Butanone	(1)	6.239	43	46819	10.661
51) *Bromochloromethane	(1)	6.572	128	135788	50.000
52) Tetrahydrofuran	(1)	6.630	71	10126	10.944
57) Chloroform	(1)	6.685	83	134851	10.753
60) 1,1,1-Trichloroethane	(2)	6.954	97	115402	10.227
61) Cyclohexane	(2)	7.050	56	87626	9.002
63) Carbon Tetrachloride	(2)	7.195	117	87382	9.553
1) 1,2-Dichloroethene (Total)	(1)		96	130311	22.010
68) Benzene	(2)	7.454	78	262487	10.806
69) 1,2-Dichloroethane	(1)	7.464	62	128547	10.417
71) *1,4-Difluorobenzene	(2)	7.958	114	845492	50.000
73) Trichloroethene	(2)	8.314	130	61389	10.732
74) Methylcyclohexane	(2)	8.577	83	80553	9.216
76) 1,2-Dichloropropane	(2)	8.593	63	70610	10.558
79) Bromodichloromethane	(2)	8.949	83	96758	10.235

8311

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26a.b/rj26i07.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 12:50 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan26a.b/RASH42SL.m Sublist used: ASH42SI
Calibration date and time: 26-JAN-2006 09:04
Date, time and analyst ID of latest file update: 26-Jan-2006 13:20 Automation

Sample Name: VSTD010 Lab Sample ID: VSTD010

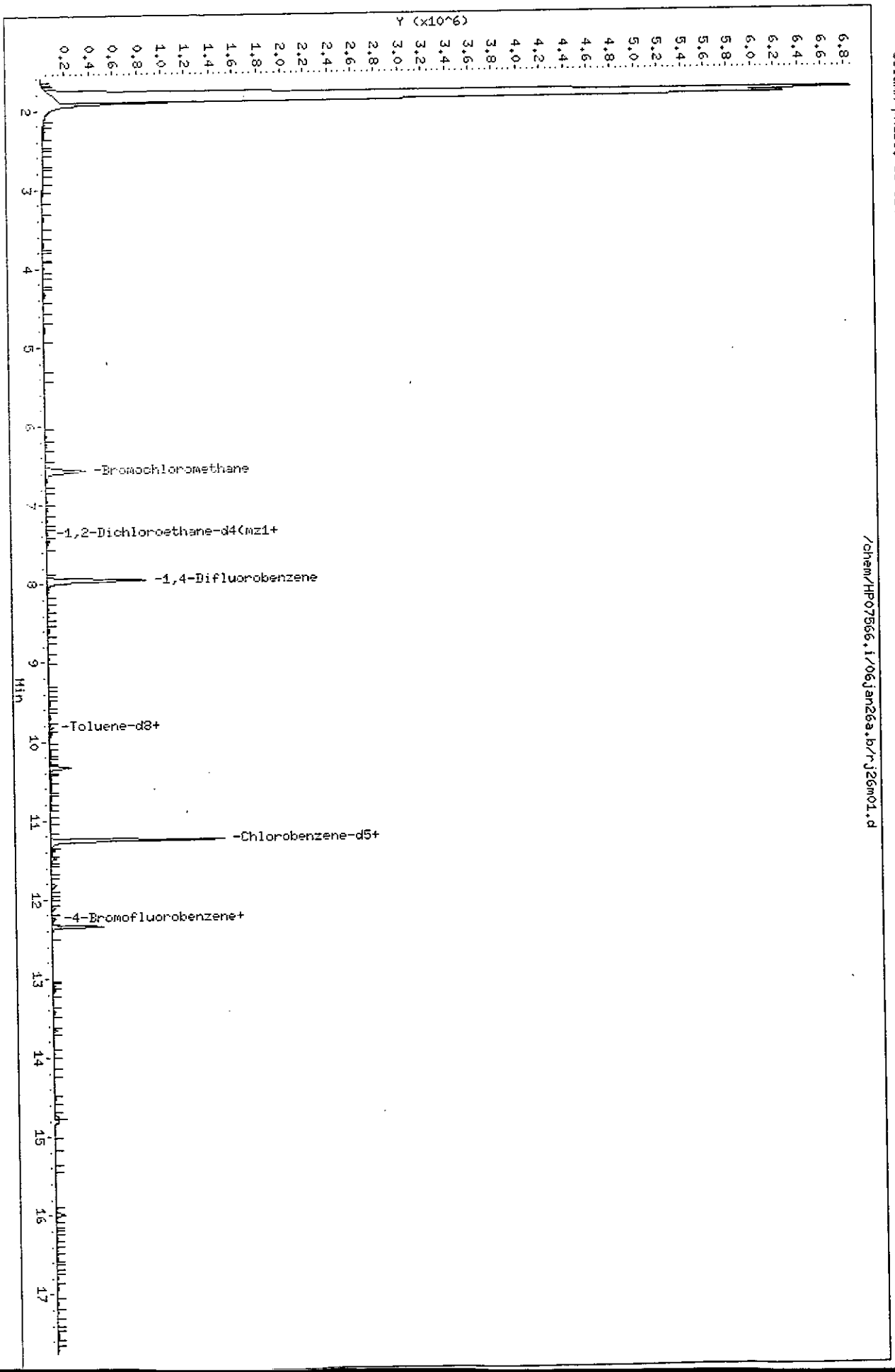
Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
80) cis-1,3-Dichloropropene	(2)	9.511	75	108047	10.205
81) 4-Methyl-2-Pentanone	(3)	9.681	43	108538	10.965
85) Toluene	(3)	9.896	91	277525	11.012
86) trans-1,3-Dichloropropene	(2)	10.126	75	107191	9.948
87) 1,1,2-Trichloroethane	(2)	10.316	97	59842	10.996
89) Tetrachloroethene	(3)	10.476	164	48020	10.800
90) 2-Hexanone	(3)	10.560	43	72457	10.572
91) Dibromochloromethane	(2)	10.707	129	61704	9.841
93) 1,2-Dibromoethane	(3)	10.823	107	58688	10.534
94) *Chlorobenzene-d5	(3)	11.252	117	739541	50.000
95) Chlorobenzene	(3)	11.281	112	165269	10.686
96) Ethylbenzene	(3)	11.374	106	88509	10.474
98) m+p-Xylene	(3)	11.474	106	221185	20.953
92) Xylene (Total)	(3)		106	331597	31.570
102) o-Xylene	(3)	11.811	106	110412	10.512
105) Styrene	(3)	11.823	104	170457	10.198
108) Bromoform	(2)	11.984	173	38122	8.975
111) Isopropylbenzene	(3)	12.112	105	282445	10.378
115) 1,1,2,2-Tetrachloroethane	(3)	12.333	83	81504	10.459
121) 1,3-Dichlorobenzene	(3)	13.078	146	110907	9.864
122) 1,4-Dichlorobenzene	(3)	13.139	146	121436	10.224
125) 1,2-Dichlorobenzene	(3)	13.408	146	118006	10.453
127) 1,2-Dibromo-3-Chloropropane	(3)	13.944	75	17186	9.435
131) 1,2,4-Trichlorobenzene	(3)	14.505	180	49992	9.751
66) $1,2-Dichloroethane-d4(mz102)	(1)	7.365	102	13932	10.545
84) $Toluene-d8(mz100)	(3)	9.822	100	142910	10.462
67) $1,2-Dichloroethane-d4	(1)	7.358	65	102985	10.198
114) $4-Bromofluorobenzene(mz174)	(3)	12.244	174	66078	10.338
83) $Toluene-d8	(3)	9.822	98	228540	10.632
113) $4-Bromofluorobenzene	(3)	12.237	95	89543	10.235

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

Data File: /chem/HP07566.i/06jan26a.b/rj26m01.d
Date : 26-JAN-2006 15:48
Client ID: VSTD001
Sample Info: VSTD001;1PPB MDL;2;3;MDL/LOQ;

Column phase: DB-624

Instrument: HP07566.i
Operator: SAM00983
Column diameter: 0.25



MES
1/26/06

0313

Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26a.b/rj26m01.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 15:48 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan26a.b/RASH42SL.m Sublist used: ASH42S
Calibration date and time: 26-JAN-2006 09:04
Date, time and analyst ID of latest file update: 31-Jan-2006 08:05 sam00983

Sample Name: VSTD001 Lab Sample ID: 1PPB MDL

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
3) Dichlorodifluoromethane	(1)	2.040	85	5038	0.554
4) Chloromethane	(1)	2.181	50	10512	1.077
6) Vinyl Chloride	(1)	2.313	62	6853	0.796
7) Bromomethane	(1)	2.659	94	4422	0.807
8) Chloroethane	(1)	2.772	64	3844	0.763
9) Dichlorofluoromethane	(1)	2.970	67	10373	0.725
11) Trichlorofluoromethane	(1)	3.054	101	6887	0.588
17) Ethyl Ether	(1)	3.381	59	5808	0.905
18) Freon 123a	(1)	3.365	67	4873	0.625
20) 1,1-Dichloroethene	(1)	3.676	96	2361	0.507
22) Freon 113	(1)	3.718	101	1891M	0.372
23) Acetone	(1)	3.708	43	10591	3.901
24) Carbon Disulfide	(1)	3.997	76	12564	0.704
28) Methyl Acetate	(1)	4.161	43	4924	0.914
31) Methylene Chloride	(1)	4.337	84	12709	2.227
34) trans-1,2-Dichloroethene	(1)	4.770	96	3097	0.578
33) Methyl Tertiary Butyl Ether	(1)	4.751	73	17562	0.791
41) 1,1-Dichloroethane	(1)	5.399	63	7773	0.654
48) cis-1,2-Dichloroethene	(1)	6.242	96	3673M	0.649
50) 2-Butanone	(1)	6.242	43	4534	1.115
51) *Bromochloromethane	(1)	6.570	128	130768	50.000
52) Tetrahydrofuran	(1)	6.637	71	1899	2.306
57) Chloroform	(1)	6.685	83	8002	0.682
60) 1,1,1-Trichloroethane	(2)	6.945	97	6265	0.559
61) Cyclohexane	(2)	7.048	56	3962	0.392
63) Carbon Tetrachloride	(2)	7.189	117	4209M	0.457
1) 1,2-Dichloroethene (Total)	(1)		96	6770	1.156
68) Benzene	(2)	7.445	78	14714	0.627
69) 1,2-Dichloroethane	(1)	7.455	62	8988	0.784
71) *1,4-Difluorobenzene	(2)	7.955	114	845601	50.000
73) Trichloroethene	(2)	8.305	130	3355	0.603
74) Methylcyclohexane	(2)	8.587	83	2760M	0.306
76) 1,2-Dichloropropane	(2)	8.581	63	4050	0.623
79) Bromodichloromethane	(2)	8.950	83	5897	0.650

M = Compound was manually integrated.

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26a.b/rj26m01.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 15:48 Analyst ID: SAM00983

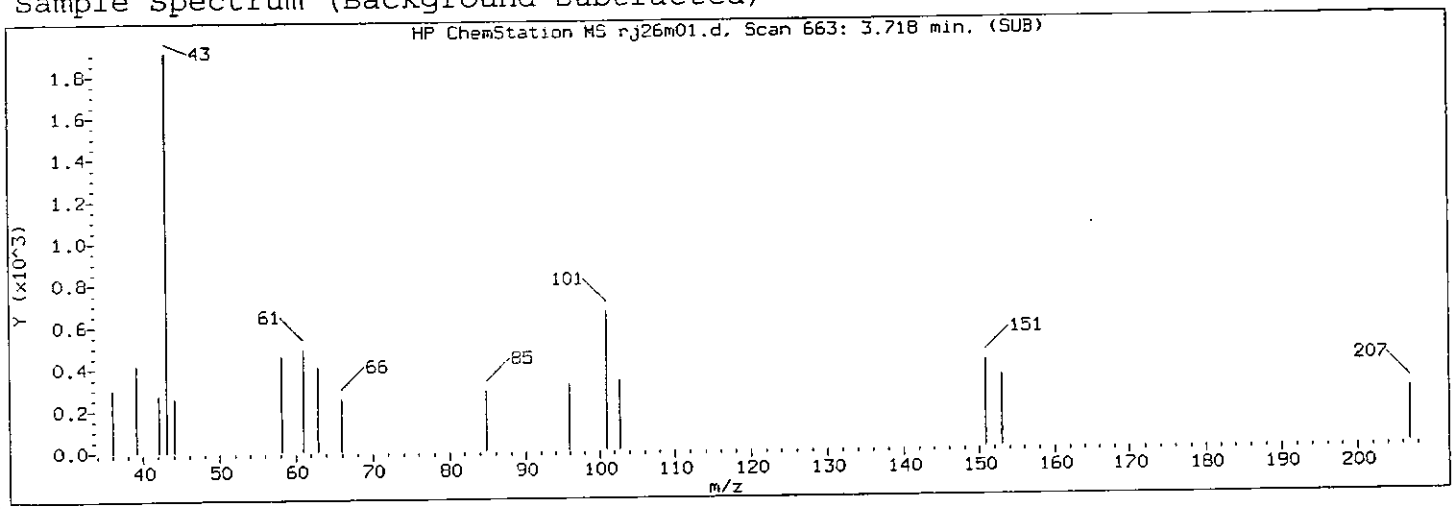
Method used: /chem/HP07566.i/06jan26a.b/RASH42SL.m Sublist used: ASH42S
Calibration date and time: 26-JAN-2006 09:04
Date, time and analyst ID of latest file update: 31-Jan-2006 08:05 sam00983

Sample Name: VSTD001 Lab Sample ID: 1PPB MDL

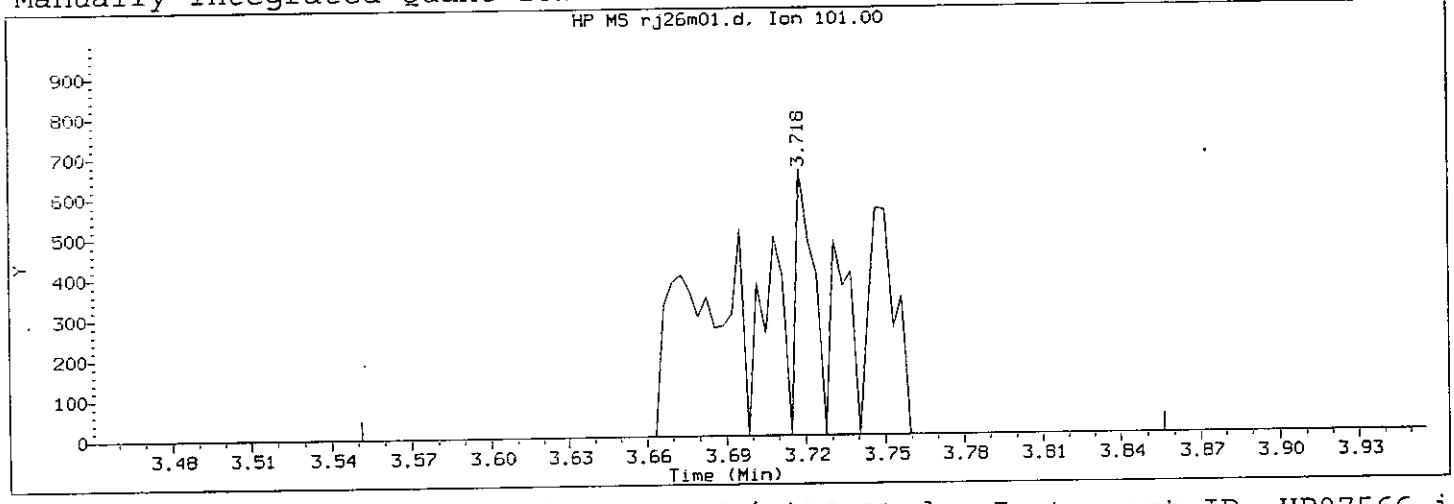
Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
80) cis-1,3-Dichloropropene	(2)	9.511	75	6693	0.650
81) 4-Methyl-2-Pentanone	(3)	9.688	43	9183	0.992
85) Toluene	(3)	9.893	91	15238	0.613
86) trans-1,3-Dichloropropene	(2)	10.133	75	6894	0.658
87) 1,1,2-Trichloroethane	(2)	10.319	97	6373	1.246
89) Tetrachloroethene	(3)	10.483	164	2090	0.478
90) 2-Hexanone	(3)	10.566	43	6659	1.036
91) Dibromochloromethane	(2)	10.711	129	3696	0.612
93) 1,2-Dibromoethane	(3)	10.826	107	4001	0.755
94) *Chlorobenzene-d5	(3)	11.253	117	743910	50.000
95) Chlorobenzene	(3)	11.279	112	11662	0.767
96) Ethylbenzene	(3)	11.372	106	5243	0.621
98) m+p-Xylene	(3)	11.474	106	12999	1.241
92) Xylene (Total)	(3)		106	19464	1.689
102) o-Xylene	(3)	11.814	106	6465	0.626
105) Styrene	(3)	11.827	104	10068	0.616
108) Bromoform	(2)	11.984	173	2372	0.582
111) Isopropylbenzene	(3)	12.113	105	16225	0.596
115) 1,1,2,2-Tetrachloroethane	(3)	12.340	83	6486	0.887
121) 1,3-Dichlorobenzene	(3)	13.084	146	6466	0.580
122) 1,4-Dichlorobenzene	(3)	13.142	146	10228	0.880
125) 1,2-Dichlorobenzene	(3)	13.412	146	9315	0.856
127) 1,2-Dibromo-3-Chloropropane	(3)	13.877	75	1595	0.961
131) 1,2,4-Trichlorobenzene	(3)	14.509	180	3382	0.786
67) $1,2-Dichloroethane-d4	(1)	7.352	65	10551	1.071
83) $Toluene-d8	(3)	9.825	98	21122	0.969
113) $4-Bromofluorobenzene	(3)	12.244	95	9742	1.091

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP07566.i/06jan26a.b/rj26m01.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 15:48 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan26a.b/RASH42SL.m Sublist used: ASH42S
Calibration date and time: 31-JAN-2006 07:59
Date, time and analyst ID of latest file update: 31-Jan-2006 08:05 sam00983

Sample Name: VSTD001 Lab Sample ID: 1PPB MDL

Compound Number : 22
Compound Name : Freon 113
Scan Number : 663
Retention Time (minutes): 3.718
Quant Ion : 101
Area (flag) : 1891 M
Concentration (ug/Kg) : 0.3720
Integration start scan : 610 Integration stop scan: 705
Y at integration start : 0 Y at integration end: 0

Reason for manual integration (circle one): missed peak improper integration

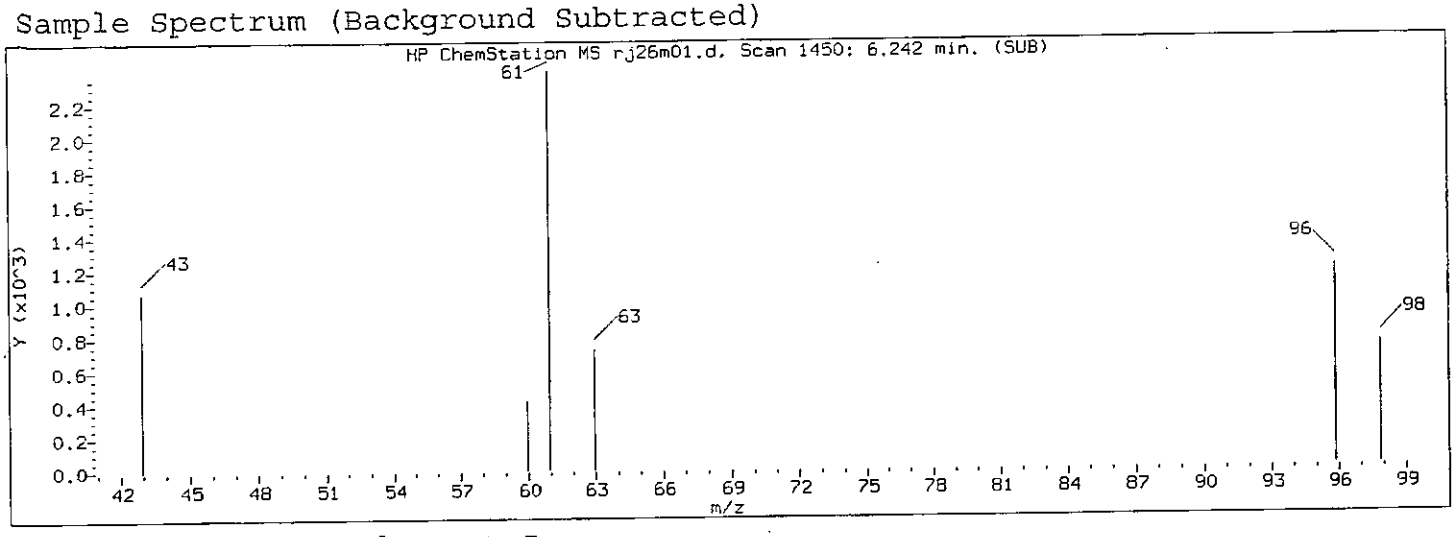
Analyst responsible for change: 1/31/06

8316

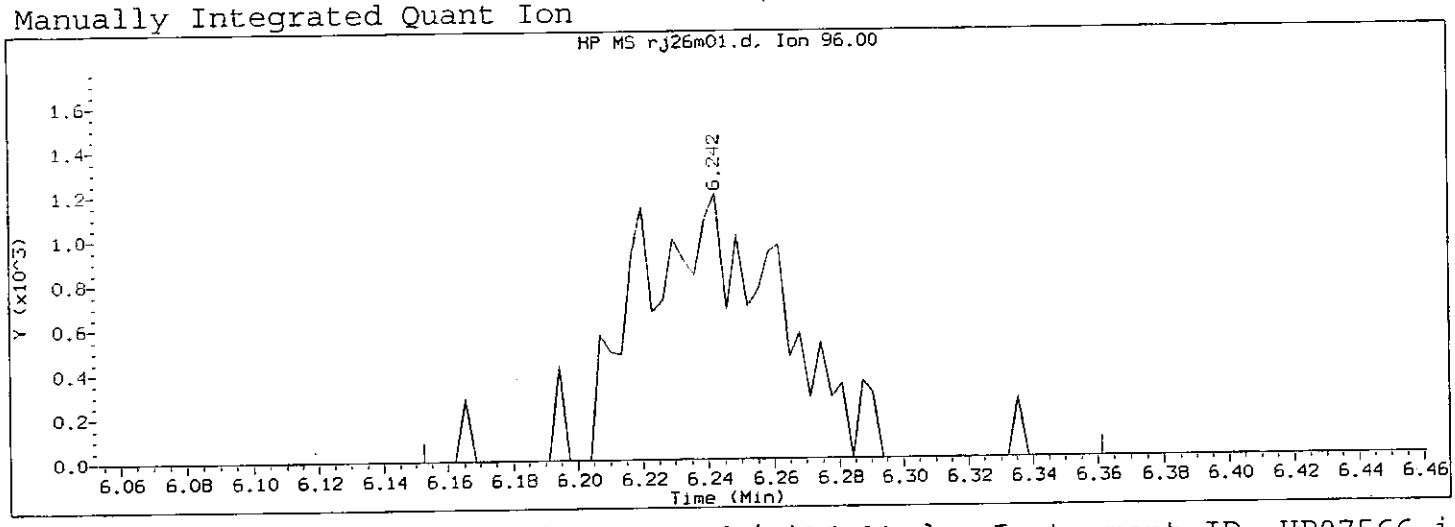
GC/MS audit/management approval: * 1/31, 1/31/06

Manual Integration Report for data file /chem/HP07566.i/06jan26a.b/rj26m01.d, generated on 01/31/2006 at 08:05

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP07566.i/06jan26a.b/rj26m01.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 15:48 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan26a.b/RASH42SL.m Sublist used: ASH42S
Calibration date and time: 31-JAN-2006 07:59
Date, time and analyst ID of latest file update: 31-Jan-2006 08:05 sam00983

Sample Name: VSTD001 Lab Sample ID: 1PPB MDL

Compound Number : 48
Compound Name : cis-1,2-Dichloroethene
Scan Number : 1450
Retention Time (minutes): 6.242
Quant Ion : 96
Area (flag) : 3673 M
Concentration (ug/Kg) : 0.6491
Integration start scan : 1421 Integration stop scan: 1486
Y at integration start : 0 Y at integration end: 0

Reason for manual integration (circle one): missed peak improper integration

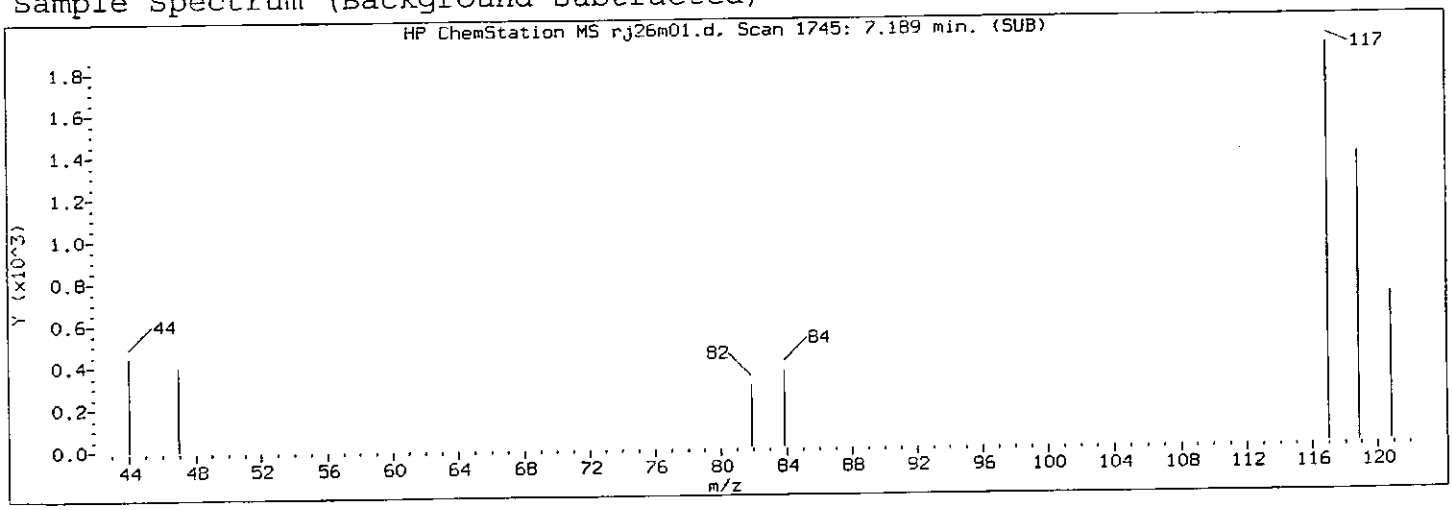
Analyst responsible for change: 1/31/06

8317

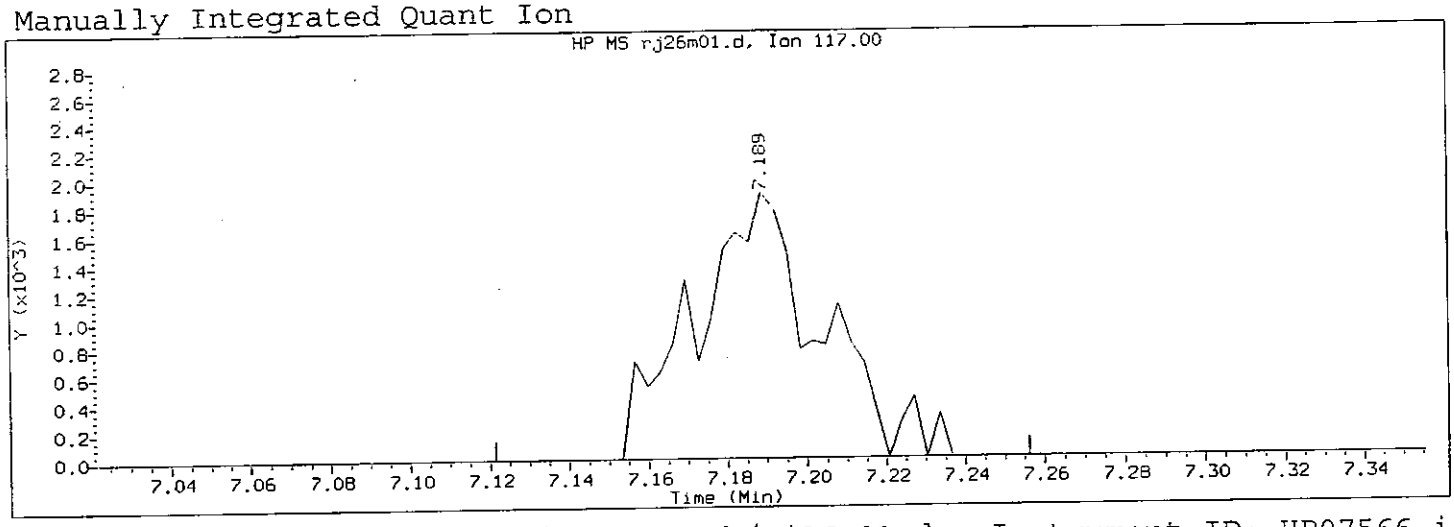
GC/MS audit/management approval: 1/31/06

Manual Integration Report for data file /chem/HP07566.i/06jan26a.b/rj26m01.d, generated on 01/31/2006 at 08:05

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP07566.i/06jan26a.b/rj26m01.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 15:48 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan26a.b/RASH42SL.m Sublist used: ASH42S
Calibration date and time: 31-JAN-2006 07:59
Date, time and analyst ID of latest file update: 31-Jan-2006 08:05 sam00983

Sample Name: VSTD001 Lab Sample ID: 1PPB MDL

Compound Number : 63
Compound Name : Carbon Tetrachloride
Scan Number : 1745
Retention Time (minutes): 7.189
Quant Ion : 117
Area (flag) : 4209 M
Concentration (ug/Kg) : 0.4567
Integration start scan : 1723 Integration stop scan: 1765
Y at integration start : 0 Y at integration end: 0

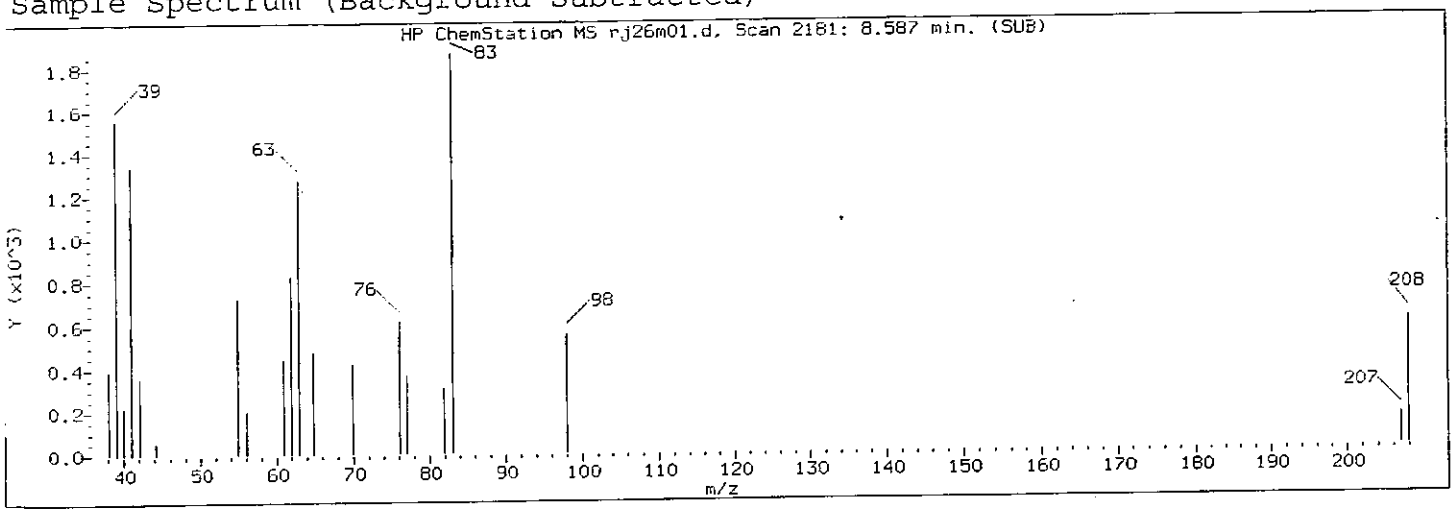
Reason for manual integration (circle one): missed peak improper integration

Analyst responsible for change: [signature] 1/31/06

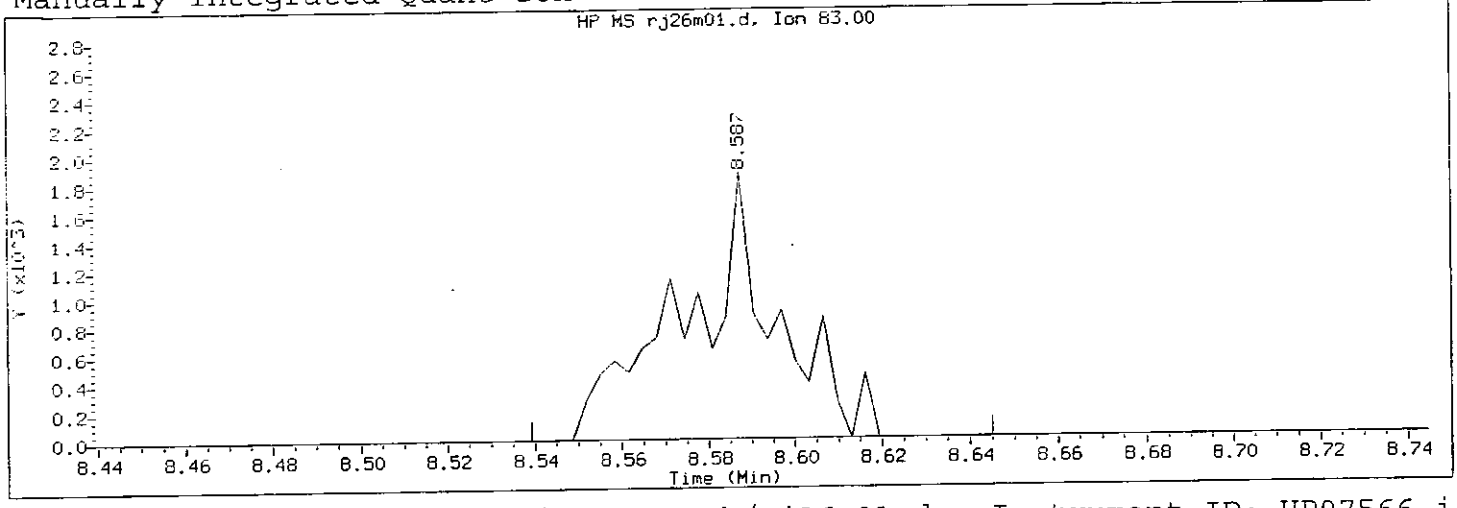
GC/MS audit/management approval: [signature] 1/31/06

Manual Integration Report for data file /chem/HP07566.i/06jan26a.b/rj26m01.d, generated on 01/31/2006 at 08:05

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP07566.i/06jan26a.b/rj26m01.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 15:48 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan26a.b/RASH42SL.m Sublist used: ASH42SI
Calibration date and time: 26-JAN-2006 16:03
Date, time and analyst ID of latest file update: 26-Jan-2006 16:21 jml01693

Sample Name: VSTD00i Lab Sample ID: 1PPB MDL

Compound Number : 74
Compound Name : Methylcyclohexane
Scan Number : 2181
Retention Time (minutes): 8.587
Quant Ion : 83
Area (flag) : 2760 M
Concentration (ug/Kg) : 0.2400
Integration start scan : 2165 Integration stop scan: 2198
Y at integration start : 0 Y at integration end: 0

Reason for manual integration (circle one): missed peak improper integration

Analyst responsible for change: mer 1/26/06

8319

GC/MS audit/management approval: [illegible] 1/31/06

Manual Integration Report for data file /chem/HP07566.i/06jan26a.b/rj26m01.d, generated on 01/26/2006 at 16:21

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Lancaster Laboratories Contract:_____

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

Instrument ID: HP07566 Calibration Date(s): 01/24/06 01/24/06

Heated Purge: (Y/N) N Calibration Time(s): 11:40 14:18

GC Column: DB-624 ID: .25 (mm)

LAB FILE ID: RRF 10= rj24i01.d RRF 20= rj24i02.d
RRF 50= rj24i03.d RRF100= rj24i06.d RRF200= rj24i07.d

COMPOUND	RRF 10	RRF 20	RRF 50	RRF100	RRF200	$\overline{RRF}$	% RSD	
Chloromethane	3.3564	3.1576	3.2730	3.2065	3.1822	3.2351	2.5	
Vinyl Chloride	*2.8402	2.7412	2.7551	2.8453	2.8335	2.8030	1.8	*
Bromomethane	*1.8465	1.7744	1.7251	1.7623	1.7655	1.7747	2.5	*
Chloroethane	1.6541	1.5744	1.5730	1.5886	1.5733	1.5927	2.2	
1,1-Dichloroethene	*1.5827	1.5506	1.7208	1.7568	1.7807	1.6783	6.2	*
Acetone	0.8290	0.7936	0.8157	0.8345	0.8340	0.8214	2.1	
Carbon Disulfide	5.1055	5.2646	5.9871	6.3182	6.5473	5.8445	10.9	
Methylene Chloride	1.8792	2.0325	2.0740	2.1049	2.1373	2.0456	4.9	
trans-1,2-Dichloroethene	1.7743	1.8628	1.9970	2.0186	2.0477	1.9401	6.0	
1,1-Dichloroethane	*3.5300	3.7637	4.0188	4.0891	4.1600	3.9123	6.7	*
cis-1,2-Dichloroethene	1.8888	2.0901	2.1614	2.1823	2.2239	2.1093	6.3	
2-Butanone	1.3218	1.2751	1.2756	1.3380	1.3296	1.3080	2.3	
Chloroform	*3.2421	3.5274	3.7181	3.8191	3.8719	3.6357	7.0	*
1,1,1-Trichloroethane	*0.4889	0.4851	0.5031	0.5595	0.5710	0.5215	7.8	*
Carbon Tetrachloride	*0.3869	0.3809	0.4222	0.4691	0.4751	0.4268	10.4	*
1,2-Dichloroethene (Total)	1.8316	1.9765	2.0792	2.1005	2.1358	2.0247	6.1	
Benzene	*1.3077	1.3254	1.4332	1.4422	1.4477	1.3912	4.9	*
1,2-Dichloroethane	*2.8768	3.2509	3.3012	3.4860	3.5142	3.2858	7.8	*
Trichloroethene	*0.3202	0.3176	0.3484	0.3513	0.3582	0.3392	5.6	*
1,2-Dichloropropane	0.3502	0.3707	0.3897	0.3925	0.3961	0.3798	5.1	
Bromodichloromethane	*0.3916	0.4309	0.4752	0.4862	0.5018	0.4571	9.9	*
cis-1,3-Dichloropropene	*0.5246	0.5689	0.6105	0.6274	0.6366	0.5936	7.8	*
4-Methyl-2-Pentanone	0.5666	0.4811	0.5162	0.5362	0.5253	0.5251	5.9	
Toluene	*1.5540	1.5495	1.6710	1.6896	1.6826	1.6293	4.4	*
trans-1,3-Dichloropropene	*0.4888	0.5448	0.5869	0.6110	0.6295	0.5722	9.8	*
1,1,2-Trichloroethane	*0.2784	0.3107	0.3142	0.3178	0.3216	0.3085	5.6	*
Tetrachloroethene	*0.2646	0.2709	0.2970	0.3068	0.3109	0.2900	7.3	*
2-Hexanone	0.4265	0.3374	0.3502	0.3726	0.3650	0.3703	9.2	
Dibromochloromethane	*0.2691	0.3062	0.3407	0.3549	0.3691	0.3280	12.3	*
1,2-Dibromoethane	0.3336	0.3592	0.3726	0.3822	0.3785	0.3652	5.4	
Chlorobenzene	*0.9429	0.9744	1.0345	1.0476	1.0474	1.0093	4.7	*
Ethylbenzene	*0.4906	0.5174	0.5605	0.5795	0.5838	0.5464	7.5	*
m+p-Xylene	0.6075	0.6538	0.6966	0.7231	0.7294	0.6821	7.5	
Xylene (Total)	*0.6115	0.6478	0.6823	0.6994	0.7111	0.6704	6.1	*
o-Xylene	0.6115	0.6478	0.6823	0.6994	0.7111	0.6704	6.1	
Styrene	*1.0303	1.0918	1.1667	1.1990	1.2110	1.1397	6.7	*
Bromoform	*0.1750	0.2063	0.2364	0.2555	0.2678	0.2282	16.5	*
1,1,2,2-Tetrachloroethane	*0.4342	0.4706	0.4846	0.4879	0.4845	0.4724	4.7	*
1,2-Dibromo-3-Chloropropane	0.0809	0.0942	0.0956	0.1055	0.1081	0.0968	11.1	
1,2-Dichloroethane-d4(mz102)	0.5119	0.4899	0.4904	0.4947	0.4885	0.4951	2.0	
1,2-Dichloroethane-d4	2.6975	2.7573	2.7561	2.8106	2.8513	2.7746	2.1	
Toluene-d8(mz100)	0.9436	0.9354	0.9230	0.9032	0.8944	0.9199	2.3	
4-Bromofluorobenzene(mz174)	0.4465	0.4401	0.4429	0.4415	0.4440	0.4430	0.6	
Toluene-d8	1.4754	1.4542	1.4337	1.4033	1.3870	1.4307	2.5	
4-Bromofluorobenzene	*0.5570	0.5480	0.5557	0.5535	0.5543	0.5537	0.6	*

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

0328

FORM VI VOA OLM03.0

Internal Standard Area and Retention Time Summary

Initial Calibration Standards:

/chem/HP07566.i/06jan24b.b/rj24i01.d VSTD010
/chem/HP07566.i/06jan24b.b/rj24i02.d VSTD020
/chem/HP07566.i/06jan24b.b/rj24i03.d VSTD050
/chem/HP07566.i/06jan24b.b/rj24i06.d VSTD100
/chem/HP07566.i/06jan24b.b/rj24i07.d VSTD200

Area Summary

File ID:

Internal Standard Name	rj24i01.d	rj24i02.d	rj24i03.d	rj24i06.d	rj24i07.d	Avg. Area	%RSD	In Spec
Bromochloromethane	153760	151975	157847	146716	143171	150694	4	Yes
1,4-Difluorobenzene	924286	919275	930872	880836	864472	903948	3	Yes
Chlorobenzene-d5	834259	837389	848657	802517	798130	824190	3	Yes

%RSD of internal standard area is flagged out of spec if greater than 30.

RT Summary

File ID:

Internal Standard Name	rj24i01.d	rj24i02.d	rj24i03.d	rj24i06.d	rj24i07.d	Avg. RT
Bromochloromethane	6.591	6.587	6.612	6.589	6.590	6.594
1,4-Difluorobenzene	7.974	7.973	7.985	7.971	7.972	7.975
Chlorobenzene-d5	11.255	11.258	11.260	11.256	11.257	11.257

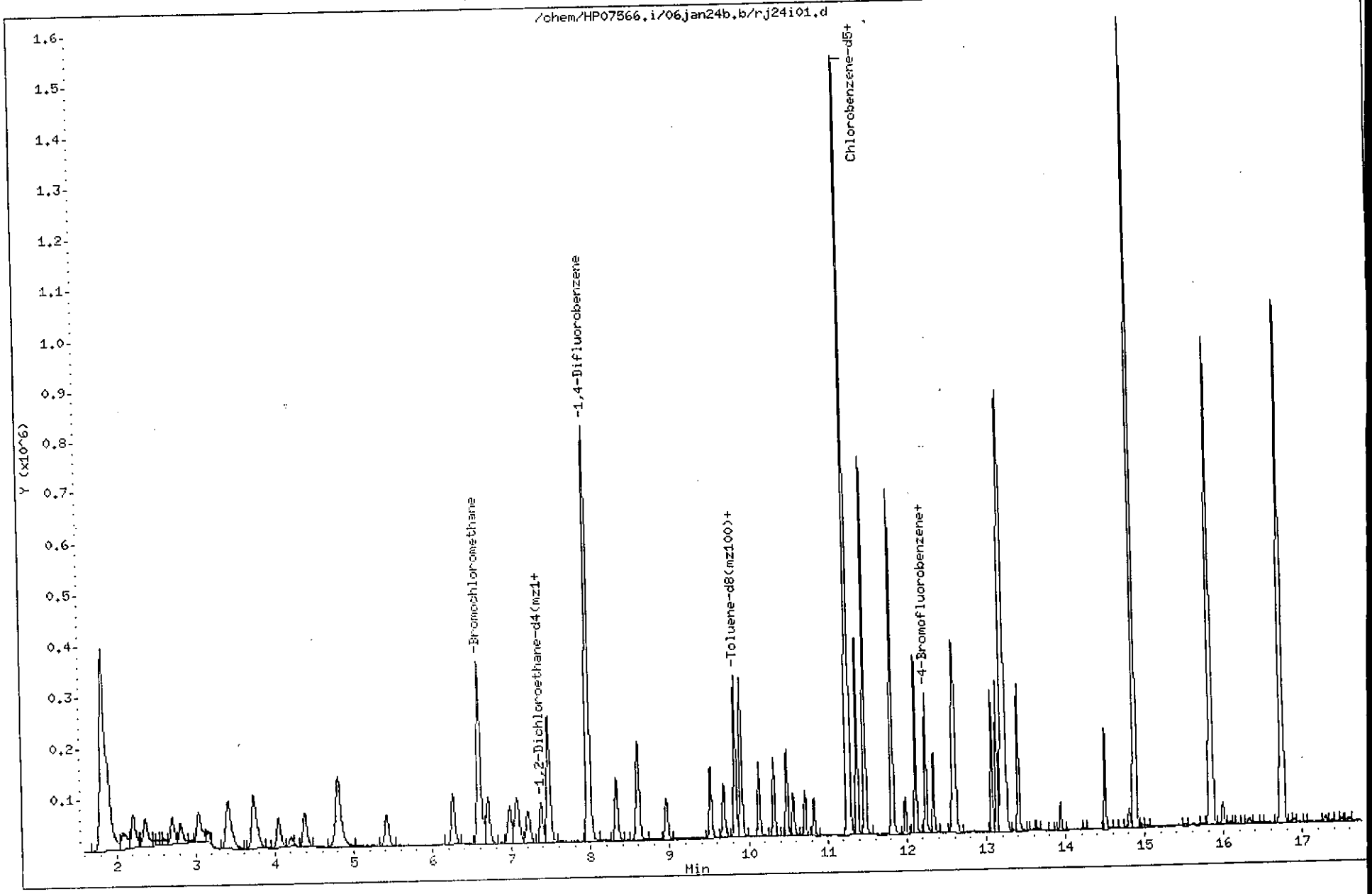
* indicates the retention time is greater than 30 seconds from the average RT.

Data File: /chem/HP07566.i/06jan24b.b/rj24i01.d
Date : 24-JAN-2006 11:40
Client ID: VSTD010
Sample Info: VSTD010;VSTD010;1;1;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP07566.i

Operator: SAM00983
Column diameter: 0.25

8322



Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24b.b/rj24i01.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 11:40 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan24b.b/RASH42W.m Sublist used: ASH42WI
Calibration date and time: 24-JAN-2006 11:40
Date, time and analyst ID of latest file update: 24-Jan-2006 13:03 sam00983

Sample Name: VSTD010 Lab Sample ID: VSTD010

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
2) Dichlorodifluoromethane	(1)	2.081	85	81172	11.159
3) Chloromethane	(1)	2.216	50	103215	10.288
4) Vinyl Chloride	(1)	2.373	62	87341	10.221
5) Bromomethane	(1)	2.707	94	56785	10.362
6) Chloroethane	(1)	2.813	64	50867	10.335
9) Dichlorofluoromethane	(1)	3.037	67	122677	11.252
12) Trichlorofluoromethane	(1)	3.162	101	96511	12.216
16) Ethyl Ether	(1)	3.400	59	60503	9.731
17) Freon 123a	(1)	3.429	67	71484	11.327
19) 1,1-Dichloroethene	(1)	3.727	96	48671	9.782
22) Freon 113	(1)	3.769	101	42806	10.162
23) Acetone	(1)	3.756	43	25495	10.200
25) Carbon Disulfide	(1)	4.051	76	157004	9.382
28) Methyl Acetate	(1)	4.211	43	58250	9.584
31) Methylene Chloride	(1)	4.385	84	57789	9.409
35) trans-1,2-Dichloroethene	(1)	4.805	96	54564	9.533
38) Methyl Tertiary Butyl Ether	(1)	4.811	73	187162	9.575
41) 1,1-Dichloroethane	(1)	5.417	63	108555	9.363
49) cis-1,2-Dichloroethene	(1)	6.264	96	58084	9.228
51) 2-Butanone	(1)	6.258	43	40649	10.244
52) *Bromochloromethane	(1)	6.591	128	153760	50.000
53) Tetrahydrofuran	(1)	6.662	71	8985	9.929
55) Chloroform	(1)	6.704	83	99700	9.274
59) 1,1,1-Trichloroethane	(2)	6.976	97	90379	9.934
60) Cyclohexane	(2)	7.073	56	80333	9.133
63) Carbon Tetrachloride	(2)	7.211	117	71526	9.754
67) Benzene	(2)	7.467	78	241734	9.648
68) 1,2-Dichloroethane	(1)	7.480	62	88467	9.153
72) *1,4-Difluorobenzene	(2)	7.974	114	924286	50.000
73) Trichloroethene	(2)	8.327	130	59189	9.740
75) Methylcyclohexane	(2)	8.593	83	47941	6.894
76) 1,2-Dichloropropane	(2)	8.603	63	64736	9.460
79) Bromodichloromethane	(2)	8.959	83	72383	9.052
80) cis-1,3-Dichloropropene	(2)	9.520	75	96974	9.236

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24b.b/rj24i01.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 11:40 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan24b.b/RASH42W.m Sublist used: ASH42WI
Calibration date and time: 24-JAN-2006 11:40
Date, time and analyst ID of latest file update: 24-Jan-2006 13:03 sam00983

Sample Name: VSTD010 Lab Sample ID: VSTD010

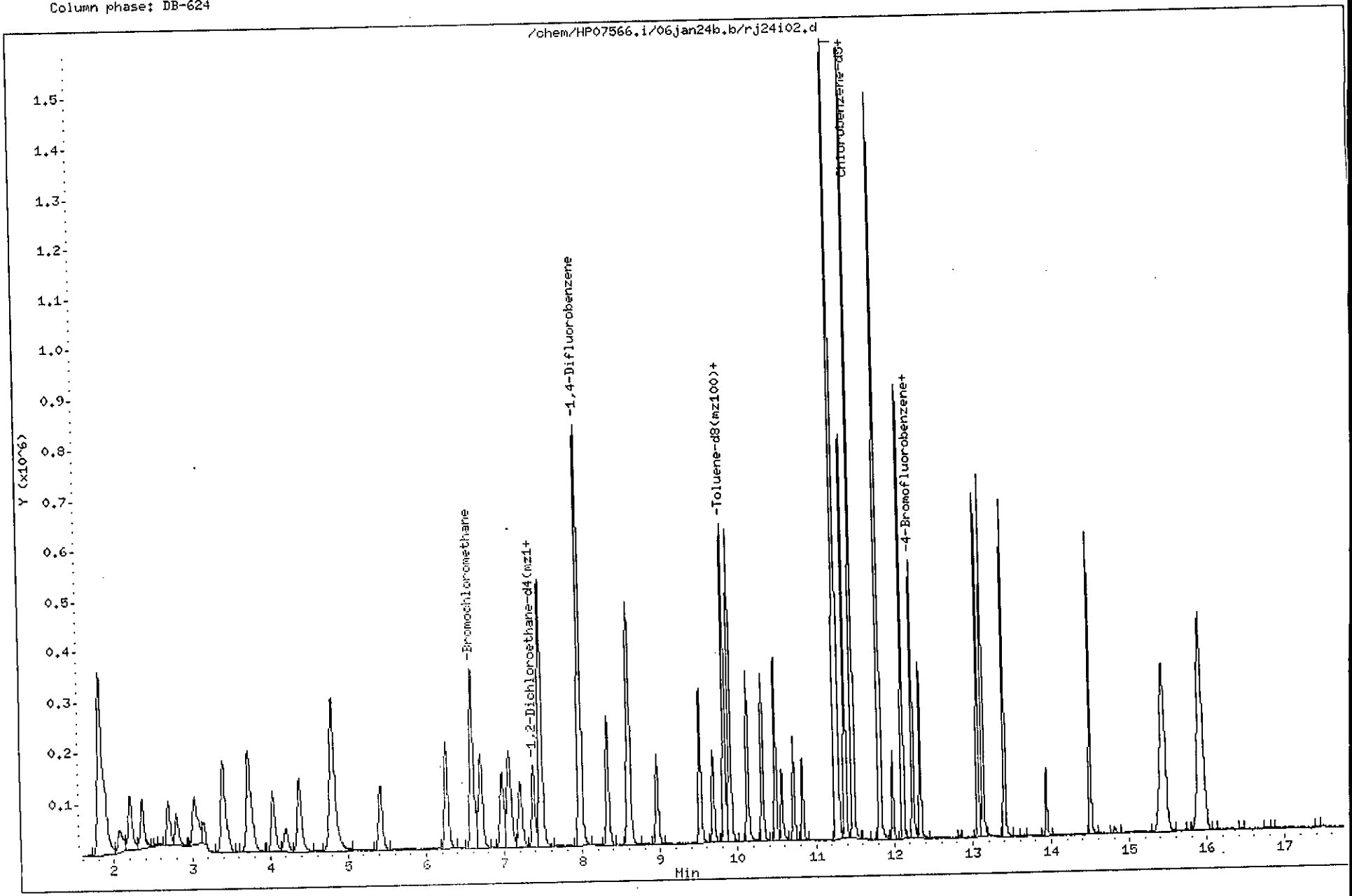
Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
81) 4-Methyl-2-Pentanone	(3)	9.684	43	94535	10.868
84) Toluene	(3)	9.905	91	259286	9.764
86) trans-1,3-Dichloropropene	(2)	10.130	75	90358	9.049
88) 1,1,2-Trichloroethane	(2)	10.322	97	51464	9.246
89) Tetrachloroethene	(3)	10.486	164	44142	9.534
90) 2-Hexanone	(3)	10.563	43	71158	11.483
91) Dibromochloromethane	(2)	10.717	129	49750	8.814
93) 1,2-Dibromoethane	(3)	10.829	107	55665	9.394
94) *Chlorobenzene-d5	(3)	11.255	117	834259	50.000
95) Chlorobenzene	(3)	11.284	112	157318	9.583
96) Ethylbenzene	(3)	11.377	106	81852	9.383
97) m+p-Xylene	(3)	11.477	106	202723	18.617
92) Xylene (Total)	(3)		106	304759	28.221
98) o-Xylene	(3)	11.817	106	102035	9.449
101) Styrene	(3)	11.826	104	171907	9.398
102) Bromoform	(2)	11.987	173	32361	8.501
106) Isopropylbenzene	(3)	12.115	105	214834	8.521
112) 1,1,2,2-Tetrachloroethane	(3)	12.340	83	72441	9.374
121) 1,3-Dichlorobenzene	(3)	13.077	146	105551	8.691
122) 1,4-Dichlorobenzene	(3)	13.138	146	117719	8.911
123) 1,2-Dichlorobenzene	(3)	13.408	146	111364	9.020
126) 1,2-Dibromo-3-Chloropropane	(3)	13.944	75	13503	8.970
131) 1,2,4-Trichlorobenzene	(3)	14.505	180	54955	7.602
65) $1,2-Dichloroethane-d4(mz102)	(1)	7.377	102	15741	10.291
82) $Toluene-d8(mz100)	(3)	9.831	100	157446	10.103
66) $1,2-Dichloroethane-d4	(1)	7.381	65	82954	9.856
109) $4-Bromofluorobenzene(mz174)	(3)	12.243	174	74498	10.075
83) $Toluene-d8	(3)	9.831	98	246171	10.144
108) $4-Bromofluorobenzene	(3)	12.240	95	92937	10.062

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

Data File: /chem/HP07566.i/06jan24b.b/rj24i02.d
Date : 24-JAN-2006 12:05
Client ID: VSTD020
Sample Info: VSTD020;VSTD020;1;1;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP07566.i

Operator: SAM00983
Column diameter: 0.25



Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24b.b/rj24i02.d
Injection date and time: 24-JAN-2006 12:05

Instrument ID: HP07566.i
Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan24b.b/RASH42W.m Sublist used: ASH42WI
Calibration date and time: 24-JAN-2006 11:40
Date, time and analyst ID of latest file update: 24-Jan-2006 13:03 sam00983

Sample Name: VSTD020

Lab Sample ID: VSTD020

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
2) Dichlorodifluoromethane	(1)	2.071	85	136671	19.010
3) Chloromethane	(1)	2.212	50	191951	19.358
4) Vinyl Chloride	(1)	2.366	62	166636	19.729
5) Bromomethane	(1)	2.700	94	107864	19.914
6) Chloroethane	(1)	2.805	64	95711	19.674
9) Dichlorofluoromethane	(1)	3.030	67	187934	17.411
12) Trichlorofluoromethane	(1)	3.136	101	174651	18.646
16) Ethyl Ether	(1)	3.396	59	125470	20.418
17) Freon 123a	(1)	3.409	67	105606	16.916
19) 1,1-Dichloroethene	(1)	3.723	96	94260	19.166
22) Freon 113	(1)	3.745	101	78738	18.462
23) Acetone	(1)	3.742	43	48246	19.529
25) Carbon Disulfide	(1)	4.040	76	320036	19.336
28) Methyl Acetate	(1)	4.204	43	125633	20.734
31) Methylene Chloride	(1)	4.384	84	123557	20.374
35) trans-1,2-Dichloroethene	(1)	4.801	96	113239	19.838
38) Methyl Tertiary Butyl Ether	(1)	4.807	73	413773	21.450
41) 1,1-Dichloroethane	(1)	5.413	63	228795	19.962
49) cis-1,2-Dichloroethene	(1)	6.260	96	127060	20.424
51) 2-Butanone	(1)	6.257	43	77511	19.756
52) *Bromochloromethane	(1)	6.587	128	151975	50.000
53) Tetrahydrofuran	(1)	6.655	71	18260	20.416
55) Chloroform	(1)	6.703	83	214431	20.180
59) 1,1,1-Trichloroethane	(2)	6.969	97	178387	19.705
60) Cyclohexane	(2)	7.069	56	171450	19.596
63) Carbon Tetrachloride	(2)	7.203	117	140060	19.205
67) Benzene	(2)	7.466	78	487360	19.557
68) 1,2-Dichloroethane	(1)	7.479	62	197625	20.687
72) *1,4-Difluorobenzene	(2)	7.973	114	919275	50.000
73) Trichloroethene	(2)	8.329	130	116771	19.321
75) Methylcyclohexane	(2)	8.592	83	145192	20.992
76) 1,2-Dichloropropane	(2)	8.602	63	136317	20.028
79) Bromodichloromethane	(2)	8.958	83	158446	19.924
80) cis-1,3-Dichloropropene	(2)	9.519	75	209187	20.032

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24b.b/rj24i02.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 12:05 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan24b.b/RASH42W.m Sublist used: ASH42WI
Calibration date and time: 24-JAN-2006 11:40
Date, time and analyst ID of latest file update: 24-Jan-2006 13:03 sam00983

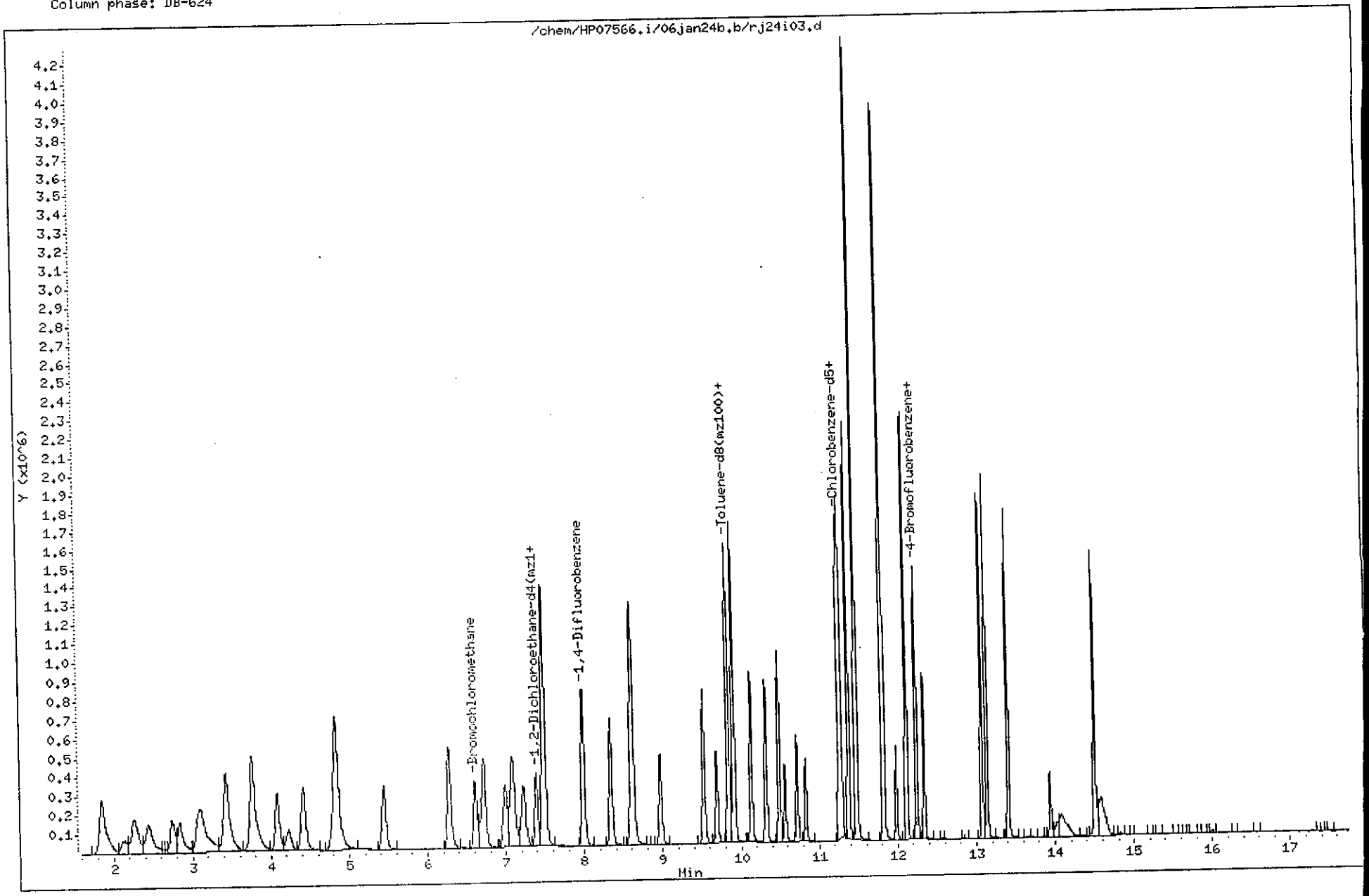
Sample Name: VSTD020 Lab Sample ID: VSTD020

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
81) 4-Methyl-2-Pentanone	(3)	9.686	43	161161	18.459
84) Toluene	(3)	9.904	91	519006	19.472
86) trans-1,3-Dichloropropene	(2)	10.129	75	200334	20.172
88) 1,1,2-Trichloroethane	(2)	10.318	97	114252	20.639
89) Tetrachloroethene	(3)	10.488	164	90729	19.523
90) 2-Hexanone	(3)	10.562	43	113026	18.172
91) Dibromochloromethane	(2)	10.716	129	112595	20.056
93) 1,2-Dibromoethane	(3)	10.828	107	120303	20.227
94) *Chlorobenzene-d5	(3)	11.258	117	837389	50.000
95) Chlorobenzene	(3)	11.283	112	326367	19.806
96) Ethylbenzene	(3)	11.377	106	173298	19.792
97) m+p-Xylene	(3)	11.476	106	437994	40.072
92) Xylene (Total)	(3)		106	654983	60.426
98) o-Xylene	(3)	11.816	106	216988	20.019
101) Styrene	(3)	11.826	104	365691	19.918
102) Bromoform	(2)	11.983	173	75853	20.035
106) Isopropylbenzene	(3)	12.114	105	538990	21.299
112) 1,1,2,2-Tetrachloroethane	(3)	12.339	83	157643	20.324
121) 1,3-Dichlorobenzene	(3)	13.077	146	252881	20.744
122) 1,4-Dichlorobenzene	(3)	13.138	146	272845	20.577
123) 1,2-Dichlorobenzene	(3)	13.410	146	259292	20.922
126) 1,2-Dibromo-3-Chloropropane	(3)	13.943	75	31542	20.876
131) 1,2,4-Trichlorobenzene	(3)	14.504	180	166437	22.938
65) $1,2-Dichloroethane-d4(mz102)	(1)	7.373	102	29779	19.698
82) $Toluene-d8(mz100)	(3)	9.834	100	313323	20.030
66) $1,2-Dichloroethane-d4	(1)	7.376	65	167616	20.148
109) $4-Bromofluorobenzene(mz174)	(3)	12.243	174	147405	19.861
83) $Toluene-d8	(3)	9.834	98	487110	19.997
108) $4-Bromofluorobenzene	(3)	12.243	95	183549	19.799

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

Data File: /chem/HP07566.i/06jan24b.b/rj24i03.d
Date : 24-JAN-2006 12:30
Client ID: VSTD050
Sample Info: VSTD050;VSTD050;1;1;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP07566.i
Operator: SAM00983
Column diameter: 0.25



Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24b.b/rj24i03.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 12:30 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan24b.b/RASH42W.m Sublist used: ASH42WI
Calibration date and time: 24-JAN-2006 11:40
Date, time and analyst ID of latest file update: 24-Jan-2006 13:03 sam00983

Sample Name: VSTD050 Lab Sample ID: VSTD050

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
2) Dichlorodifluoromethane	(1)	2.137	85	348566	46.679
3) Chloromethane	(1)	2.262	50	516637	50.164
4) Vinyl Chloride	(1)	2.442	62	434890	49.574
5) Bromomethane	(1)	2.737	94	272299	48.403
6) Chloroethane	(1)	2.843	64	248297	49.141
9) Dichlorofluoromethane	(1)	3.074	67	563995	50.307
12) Trichlorofluoromethane	(1)	3.119	101	514342	52.727
16) Ethyl Ether	(1)	3.424	59	321025	50.298
17) Freon 123a	(1)	3.462	67	332638	51.239
19) 1,1-Dichloroethene	(1)	3.757	96	271630	53.177
22) Freon 113	(1)	3.789	101	245260	54.956
23) Acetone	(1)	3.770	43	128763	50.180
25) Carbon Disulfide	(1)	4.081	76	945048	54.903
28) Methyl Acetate	(1)	4.226	43	318815	50.658
31) Methylene Chloride	(1)	4.418	84	327379	51.974
35) trans-1,2-Dichloroethene	(1)	4.829	96	315219	53.167
38) Methyl Tertiary Butyl Ether	(1)	4.825	73	970280	48.427
41) 1,1-Dichloroethane	(1)	5.444	63	634355	53.288
49) cis-1,2-Dichloroethene	(1)	6.278	96	341173	52.800
51) 2-Butanone	(1)	6.269	43	201343	49.409
52) *Bromochloromethane	(1)	6.612	128	157847	50.000
53) Tetrahydrofuran	(1)	6.670	71	45814	49.317
55) Chloroform	(1)	6.721	83	586891	53.179
59) 1,1,1-Trichloroethane	(2)	6.994	97	468364	51.092
60) Cyclohexane	(2)	7.084	56	490401	55.352
63) Carbon Tetrachloride	(2)	7.228	117	393017	53.218
67) Benzene	(2)	7.485	78	1334151	52.870
68) 1,2-Dichloroethane	(1)	7.491	62	521087	52.517
72) *1,4-Difluorobenzene	(2)	7.985	114	930872	50.000
73) Trichloroethene	(2)	8.338	130	324350	52.998
75) Methylcyclohexane	(2)	8.601	83	441620	63.053
76) 1,2-Dichloropropane	(2)	8.614	63	362748	52.632
79) Bromodichloromethane	(2)	8.973	83	442343	54.929
80) cis-1,3-Dichloropropene	(2)	9.525	75	568295	53.742

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24b.b/rj24i03.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 12:30 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan24b.b/RASH42W.m Sublist used: ASH42WI
Calibration date and time: 24-JAN-2006 11:40
Date, time and analyst ID of latest file update: 24-Jan-2006 13:03 sam00983

Sample Name: VSTD050 Lab Sample ID: VSTD050

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
81) 4-Methyl-2-Pentanone	(3)	9.688	43	438102	49.512
84) Toluene	(3)	9.910	91	1418111	52.498
86) trans-1,3-Dichloropropene	(2)	10.131	75	546303	54.324
88) 1,1,2-Trichloroethane	(2)	10.320	97	292433	52.169
89) Tetrachloroethene	(3)	10.490	164	252068	53.521
90) 2-Hexanone	(3)	10.564	43	297240	47.154
91) Dibromochloromethane	(2)	10.718	129	317166	55.792
93) 1,2-Dibromoethane	(3)	10.830	107	316224	52.462
94) *Chlorobenzene-d5	(3)	11.260	117	848657	50.000
95) Chlorobenzene	(3)	11.286	112	877903	52.570
96) Ethylbenzene	(3)	11.379	106	475646	53.602
97) m+p-Xylene	(3)	11.478	106	1182339	106.736
92) Xylene (Total)	(3)		106	1761369	160.340
98) o-Xylene	(3)	11.818	106	579030	52.710
101) Styrene	(3)	11.828	104	990145	53.214
102) Bromoform	(2)	11.985	173	220082	57.406
106) Isopropylbenzene	(3)	12.117	105	1388630	54.145
112) 1,1,2,2-Tetrachloroethane	(3)	12.338	83	411277	52.319
121) 1,3-Dichlorobenzene	(3)	13.076	146	675647	54.687
122) 1,4-Dichlorobenzene	(3)	13.140	146	725641	54.000
123) 1,2-Dichlorobenzene	(3)	13.409	146	660611	52.597
126) 1,2-Dibromo-3-Chloropropane	(3)	13.945	75	81095	52.959
131) 1,2,4-Trichlorobenzene	(3)	14.503	180	401811	54.642
65) $1,2-Dichloroethane-d4(mz102)	(1)	7.392	102	77412	49.300
82) $Toluene-d8(mz100)	(3)	9.836	100	783344	49.412
66) $1,2-Dichloroethane-d4	(1)	7.392	65	435045	50.350
109) $4-Bromofluorobenzene(mz174)	(3)	12.242	174	375857	49.970
83) $Toluene-d8	(3)	9.836	98	1216708	49.286
108) $4-Bromofluorobenzene	(3)	12.242	95	471579	50.192

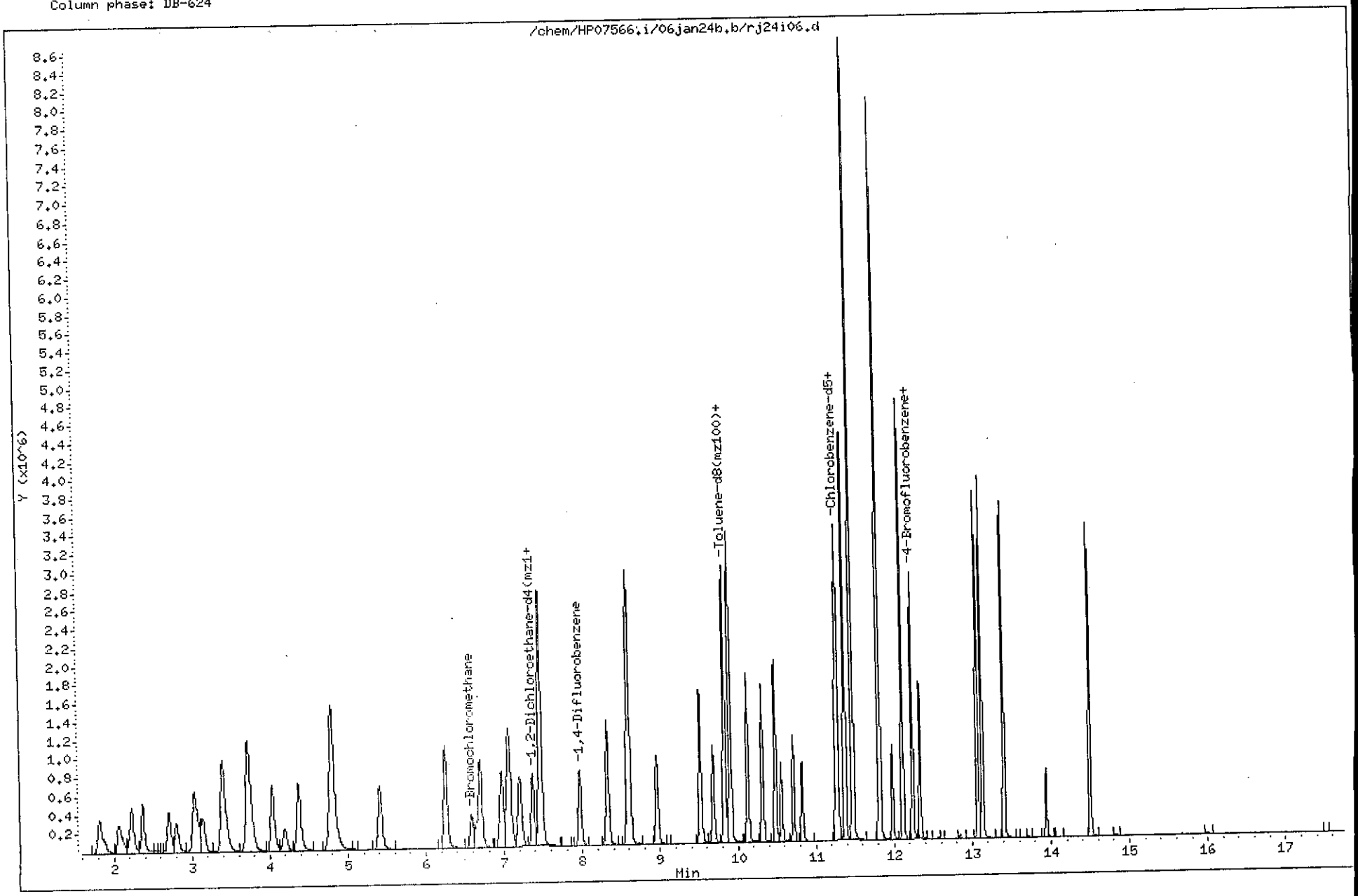
* = Compound is an internal standard.
$ = Compound is a surrogate standard.

Data File: /chem/HP07566.i/06jan24b.b/rj24i06.d
Date : 24-JAN-2006 13:53
Client ID: VSTD100
Sample Info: VSTD100;VSTD100;1;1;;
Purge Volume: 5.0
Column phase: DB-624

1/24/06

Instrument: HP07566.i

Operator: SAM00983
Column diameter: 0.25



Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24b.b/rj24i06.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 13:53 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan24b.b/RASH42W.m Sublist used: ASH42WI
Calibration date and time: 24-JAN-2006 11:40
Date, time and analyst ID of latest file update: 24-Jan-2006 14:28 sam00983

Sample Name: VSTD100 Lab Sample ID: VSTD100

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
2) Dichlorodifluoromethane	(1)	2.062	85	926115	123.140
3) Chloromethane	(1)	2.229	50	940884	98.710
4) Vinyl Chloride	(1)	2.374	62	834891	101.782
5) Bromomethane	(1)	2.704	94	517107	99.167
6) Chloroethane	(1)	2.803	64	466162	99.443
9) Dichlorofluoromethane	(1)	3.028	67	1164115	108.535
12) Trichlorofluoromethane	(1)	3.118	101	1009487	108.269
16) Ethyl Ether	(1)	3.397	59	615901	102.838
17) Freon 123a	(1)	3.419	67	687835	110.140
19) 1,1-Dichloroethene	(1)	3.718	96	515516	106.299
22) Freon 113	(1)	3.753	101	531632	119.732
23) Acetone	(1)	3.734	43	244869	101.988
25) Carbon Disulfide	(1)	4.035	76	1853962	111.455
28) Methyl Acetate	(1)	4.192	43	608113	102.938
31) Methylene Chloride	(1)	4.372	84	617648	104.066
35) trans-1,2-Dichloroethene	(1)	4.799	96	592337	105.512
38) Methyl Tertiary Butyl Ether	(1)	4.802	73	2081268	108.567
41) 1,1-Dichloroethane	(1)	5.411	63	1199880	106.200
49) cis-1,2-Dichloroethene	(1)	6.255	96	640358	104.885
51) 2-Butanone	(1)	6.245	43	392625	102.719
52) *Bromochloromethane	(1)	6.589	128	146716	50.000
53) Tetrahydrofuran	(1)	6.650	71	86223	99.893
55) Chloroform	(1)	6.704	83	1120644	106.778
59) 1,1,1-Trichloroethane	(2)	6.974	97	985651	109.884
60) Cyclohexane	(2)	7.070	56	1123818	123.535
63) Carbon Tetrachloride	(2)	7.208	117	826374	113.093
67) Benzene	(2)	7.468	78	2540777	104.728
68) 1,2-Dichloroethane	(1)	7.477	62	1022892	107.967
72) *1,4-Difluorobenzene	(2)	7.971	114	880836	50.000
73) Trichloroethene	(2)	8.327	130	618944	105.071
75) Methylcyclohexane	(2)	8.597	83	1018063	135.457
76) 1,2-Dichloropropane	(2)	8.603	63	691500	104.456
79) Bromodichloromethane	(2)	8.959	83	856498	109.020
80) cis-1,3-Dichloropropene	(2)	9.517	75	1105353	107.650

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24b.b/rj24i06.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 13:53 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan24b.b/RASH42W.m Sublist used: ASH42WI
Calibration date and time: 24-JAN-2006 11:40
Date, time and analyst ID of latest file update: 24-Jan-2006 14:28 sam00983

Sample Name: VSTD100 Lab Sample ID: VSTD100

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
81) 4-Methyl-2-Pentanone	(3)	9.684	43	860573	102.122
84) Toluene	(3)	9.905	91	2711891	104.554
86) trans-1,3-Dichloropropene	(2)	10.127	75	1076418	109.526
88) 1,1,2-Trichloroethane	(2)	10.319	97	559836	104.103
89) Tetrachloroethene	(3)	10.483	164	492515	107.735
90) 2-Hexanone	(3)	10.560	43	598056	100.248
91) Dibromochloromethane	(2)	10.714	129	625289	111.705
93) 1,2-Dibromoethane	(3)	10.826	107	613512	105.618
94) *Chlorobenzene-d5	(3)	11.256	117	802517	50.000
95) Chlorobenzene	(3)	11.285	112	1681491	104.781
96) Ethylbenzene	(3)	11.378	106	930164	107.923
97) m+p-Xylene	(3)	11.477	106	2321238	215.773
92) Xylene (Total)	(3)		106	3443876	324.969
98) o-Xylene	(3)	11.817	106	1122638	105.934
101) Styrene	(3)	11.824	104	1924375	106.866
102) Bromoform	(2)	11.984	173	450088	117.028
106) Isopropylbenzene	(3)	12.112	105	2870175	113.158
112) 1,1,2,2-Tetrachloroethane	(3)	12.337	83	783036	103.951
121) 1,3-Dichlorobenzene	(3)	13.075	146	1363499	112.028
122) 1,4-Dichlorobenzene	(3)	13.136	146	1432332	109.244
123) 1,2-Dichlorobenzene	(3)	13.408	146	1327188	108.556
126) 1,2-Dibromo-3-Chloropropane	(3)	13.944	75	169287	112.168
131) 1,2,4-Trichlorobenzene	(3)	14.505	180	925530	122.927
65) $1,2-Dichloroethane-d4(mz102)	(1)	7.375	102	145158	99.593
82) $Toluene-d8(mz100)	(3)	9.832	100	1449622	97.502
66) $1,2-Dichloroethane-d4	(1)	7.371	65	824725	102.004
109) $4-Bromofluorobenzene(mz174)	(3)	12.241	174	708657	99.724
83) $Toluene-d8	(3)	9.832	98	2252401	97.341
108) $4-Bromofluorobenzene	(3)	12.241	95	888330	99.988

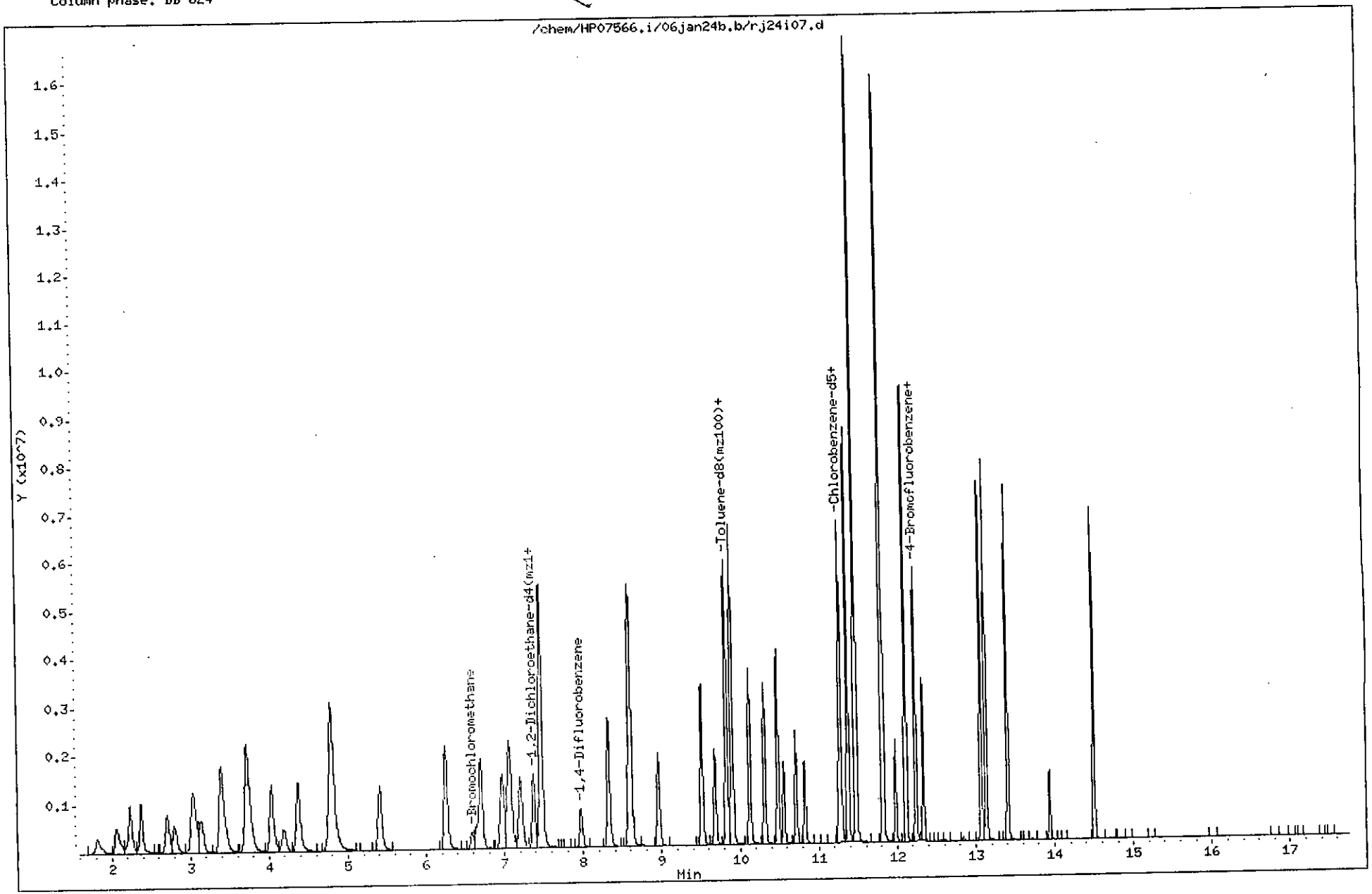
* = Compound is an internal standard.
$ = Compound is a surrogate standard.

8334

Data File: /chem/HP07566.i/06jan24b.b/rj24i07.d
Date : 24-JAN-2006 14:18
Client ID: VSTD200
Sample Info: VSTD200;VSTD200;1;1;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP07566.i

Operator: SAM00983
Column diameter: 0.25



Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24b.b/rj24i07.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 14:18 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan24b.b/RASH42W.m Sublist used: ASH42WI
Calibration date and time: 24-JAN-2006 11:40
Date, time and analyst ID of latest file update: 24-Jan-2006 14:57 sam00983

Sample Name: VSTD200 Lab Sample ID: VSTD200

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
2) Dichlorodifluoromethane	(1)	2.067	85	1584054	212.473
3) Chloromethane	(1)	2.243	50	1822380	196.726
4) Vinyl Chloride	(1)	2.381	62	1622691	202.172
5) Bromomethane	(1)	2.715	94	1011054	198.954
6) Chloroethane	(1)	2.804	64	900985	197.560
9) Dichlorofluoromethane	(1)	3.035	67	2255429	212.202
12) Trichlorofluoromethane	(1)	3.141	101	1849980M	202.651
16) Ethyl Ether	(1)	3.395	59	1143189	196.469
17) Freon 123a	(1)	3.417	67	1307634	211.488
19) 1,1-Dichloroethene	(1)	3.715	96	1019779	212.199
22) Freon 113	(1)	3.754	101	960615	216.993
23) Acetone	(1)	3.732	43	477604	203.066
25) Carbon Disulfide	(1)	4.036	76	3749527	224.048
28) Methyl Acetate	(1)	4.193	43	1211436	208.033
31) Methylene Chloride	(1)	4.376	84	1224013	208.969
35) trans-1,2-Dichloroethene	(1)	4.796	96	1172668	211.091
38) Methyl Tertiary Butyl Ether	(1)	4.800	73	4098944	215.002
41) 1,1-Dichloroethane	(1)	5.416	63	2382361	212.661
49) cis-1,2-Dichloroethene	(1)	6.256	96	1273576	210.863
51) 2-Butanone	(1)	6.250	43	761413	203.294
52) *Bromochloromethane	(1)	6.590	128	143171	50.000
53) Tetrahydrofuran	(1)	6.651	71	159717	191.608
55) Chloroform	(1)	6.705	83	2217368	212.992
59) 1,1,1-Trichloroethane	(2)	6.975	97	1974615	218.982
60) Cyclohexane	(2)	7.068	56	2049058	222.927
63) Carbon Tetrachloride	(2)	7.209	117	1642933	222.621
67) Benzene	(2)	7.468	78	5005984	208.115
68) 1,2-Dichloroethane	(1)	7.478	62	2012530	213.901
72) *1,4-Difluorobenzene	(2)	7.972	114	864472	50.000
73) Trichloroethene	(2)	8.328	130	1238753	211.255
75) Methylcyclohexane	(2)	8.598	83	1808789	234.612
76) 1,2-Dichloropropane	(2)	8.607	63	1369604	208.551
79) Bromodichloromethane	(2)	8.963	83	1735325	219.560
80) cis-1,3-Dichloropropene	(2)	9.518	75	2201420	214.496

M = Compound was manually integrated.

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24b.b/rj24i07.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 14:18 Analyst ID: SAM00983

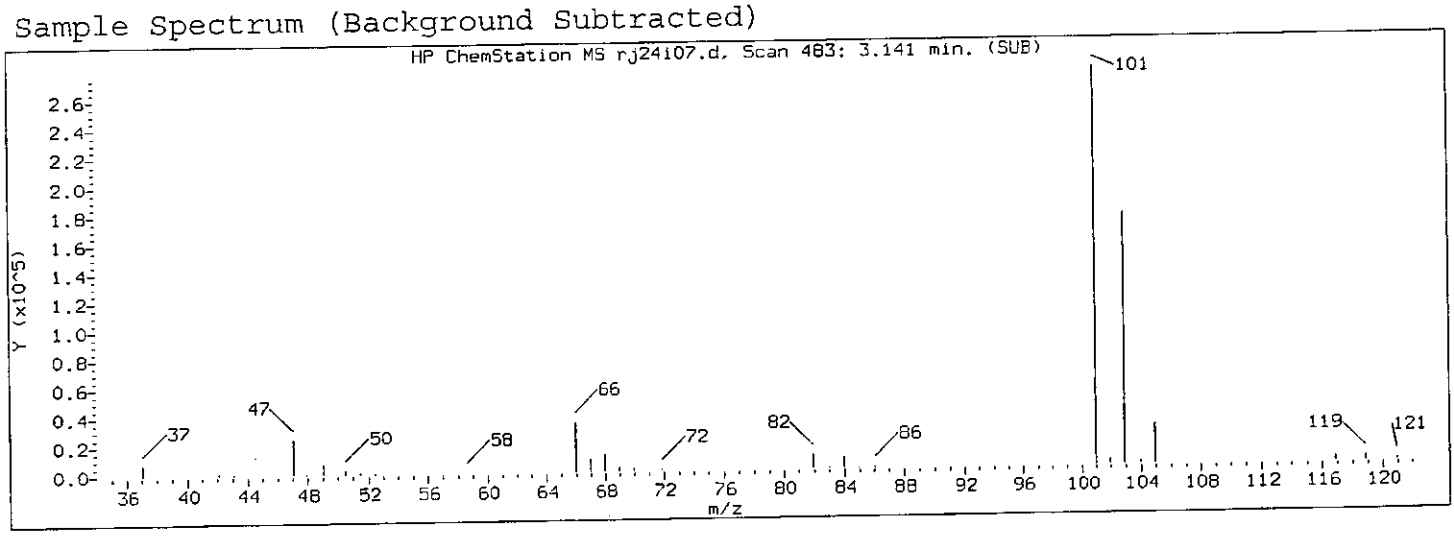
Method used: /chem/HP07566.i/06jan24b.b/RASH42W.m Sublist used: ASH42WI
Calibration date and time: 24-JAN-2006 11:40
Date, time and analyst ID of latest file update: 24-Jan-2006 14:57 sam00983

Sample Name: VSTD200 Lab Sample ID: VSTD200

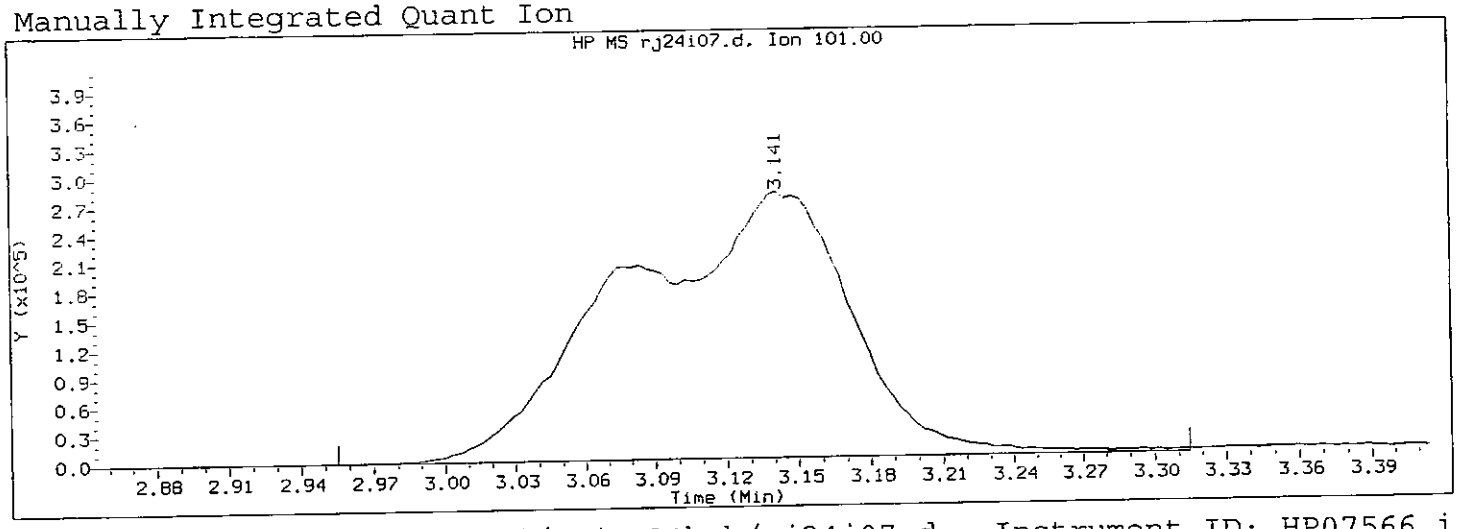
Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
81) 4-Methyl-2-Pentanone	(3)	9.685	43	1676916	200.071
84) Toluene	(3)	9.906	91	5371891	206.543
86) trans-1,3-Dichloropropene	(2)	10.128	75	2176854	220.036
88) 1,1,2-Trichloroethane	(2)	10.317	97	1111896	208.449
89) Tetrachloroethene	(3)	10.484	164	992459	214.368
90) 2-Hexanone	(3)	10.561	43	1165164	197.094
91) Dibromochloromethane	(2)	10.715	129	1276180	225.031
93) 1,2-Dibromoethane	(3)	10.827	107	1208261	207.253
94) *Chlorobenzene-d5	(3)	11.257	117	798130	50.000
95) Chlorobenzene	(3)	11.286	112	3343897	207.543
96) Ethylbenzene	(3)	11.376	106	1863916	213.721
97) m+p-Xylene	(3)	11.478	106	4656998	427.731
92) Xylene (Total)	(3)		106	6927345	647.292
98) o-Xylene	(3)	11.815	106	2270347	212.141
101) Styrene	(3)	11.825	104	3866087	212.501
102) Bromoform	(2)	11.982	173	926105	234.710
106) Isopropylbenzene	(3)	12.117	105	5700441	220.255
112) 1,1,2,2-Tetrachloroethane	(3)	12.338	83	1546899	205.154
121) 1,3-Dichlorobenzene	(3)	13.076	146	2738408	220.448
122) 1,4-Dichlorobenzene	(3)	13.137	146	2890164	216.949
123) 1,2-Dichlorobenzene	(3)	13.409	146	2669216	215.322
126) 1,2-Dibromo-3-Chloropropane	(3)	13.942	75	345219	223.297
131) 1,2,4-Trichlorobenzene	(3)	14.503	180	1872487	238.144
65) $1,2-Dichloroethane-d4(mz102)	(1)	7.372	102	279759	197.347
82) $Toluene-d8(mz100)	(3)	9.833	100	2855368	194.448
66) $1,2-Dichloroethane-d4	(1)	7.372	65	1632874	205.529
109) $4-Bromofluorobenzene(mz174)	(3)	12.242	174	1417389	200.444
83) $Toluene-d8	(3)	9.833	98	4428071	193.888
108) $4-Bromofluorobenzene	(3)	12.242	95	1769547	200.216

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP07566.i/06jan24b.b/rj24i07.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 14:18 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan24b.b/RASH42W.m Sublist used: ASH42WI
Calibration date and time: 24-JAN-2006 14:48
Date, time and analyst ID of latest file update: 24-Jan-2006 14:57 sam00983

Sample Name: VSTD200 Lab Sample ID: VSTD200

Compound Number : 12
Compound Name : Trichlorofluoromethane
Scan Number : 483
Retention Time (minutes): 3.141
Quant Ion : 101
Area (flag) : 1849980 M
Concentration (ug/L) : 202.6514
Integration start scan : 424 Integration stop scan: 536
Y at integration start : 0 Y at integration end: 0

Reason for manual integration (circle one): missed peak improper integration

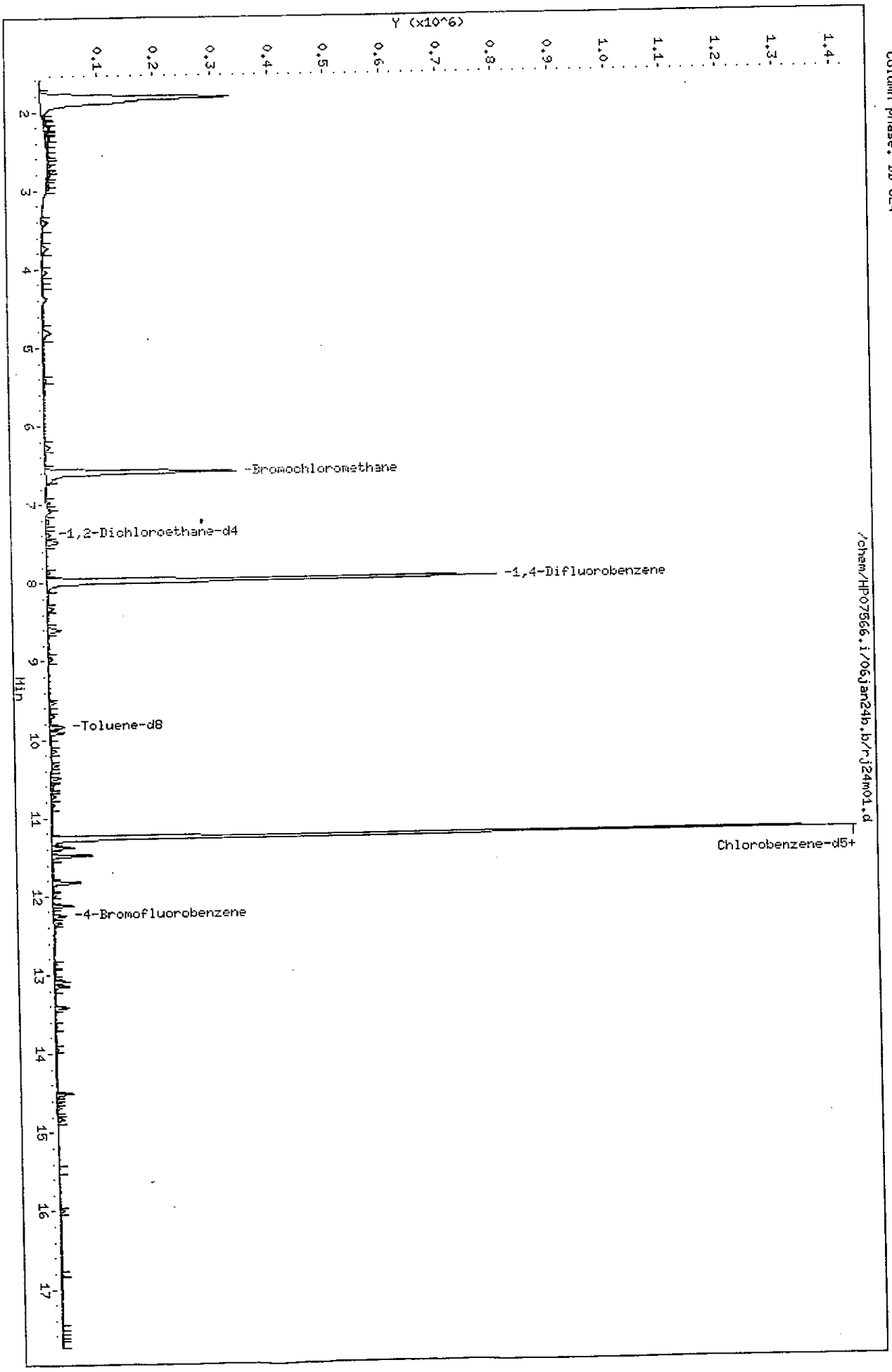
Analyst responsible for change: [signature] 1/24/06

8337

GC/MS audit/management approval: [signature] 1/25/06

Manual Integration Report for data file /chem/HP07566.i/06jan24b.b/rj24i07.d, generated on 01/24/2006 at 14:57

Data File: /chem/HP07566.i/06jan24b.b/rj24m01.d
Date : 24-JAN-2006 15:07
Client ID: VSTD001
Sample Info: VSTD001;1 PPB MDL;1;3;MDL/LOQ;
Purge Volume: 5.0
Column phase: DB-624



Instrument: HP07566.i
Operator: SAM00983
Column diameter: 0.25

0338

Page 1

Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24b.b/rj24m01.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 15:07 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan24b.b/RASH42W.m Sublist used: ASH42W
Calibration date and time: 24-JAN-2006 11:40
Date, time and analyst ID of latest file update: 24-Jan-2006 15:40 sam00983

Sample Name: VSTD001 Lab Sample ID: 1 PPB MDL

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
2) Dichlorodifluoromethane	(1)	2.072	85	5958	0.733
3) Chloromethane	(1)	2.194	50	9959	1.066
4) Vinyl Chloride	(1)	2.335	62	7559	0.913
5) Bromomethane	(1)	2.688	94	5615	1.092
6) Chloroethane	(1)	2.797	64	4350	0.938
9) Dichlorofluoromethane	(1)	3.015	67	10398	1.009
12) Trichlorofluoromethane	(1)	3.150	101	8095	0.865
16) Ethyl Ether	(1)	3.406	59	5097	0.825
17) Freon 123a	(1)	3.423	67	5325	0.876
19) 1,1-Dichloroethene	(1)	3.727	96	3754	0.767
22) Freon 113	(1)	3.743	101	3416	0.706
23) Acetone	(1)	3.743	43	7314	2.987
25) Carbon Disulfide	(1)	4.035	76	16885	1.007
28) Methyl Acetate	(1)	4.215	43	6074	0.983
31) Methylene Chloride	(1)	4.385	84	6275	1.043
35) trans-1,2-Dichloroethene	(1)	4.811	96	4290M	0.732
38) Methyl Tertiary Butyl Ether	(1)	4.808	73	16911M	0.834
41) 1,1-Dichloroethane	(1)	5.421	63	9144	0.778
49) cis-1,2-Dichloroethene	(1)	6.268	96	4817	0.753
51) 2-Butanone	(1)	6.284	43	3843	0.955
52) *Bromochloromethane	(1)	6.589	128	144192	50.000
53) Tetrahydrofuran	(1)	6.662	71	1436	1.608
55) Chloroform	(1)	6.707	83	8641	0.763
59) 1,1,1-Trichloroethane	(2)	6.973	97	7892	0.808
60) Cyclohexane	(2)	7.070	56	7822	0.750
63) Carbon Tetrachloride	(2)	7.204	117	5202	0.646
67) Benzene	(2)	7.471	78	20558	0.817
68) 1,2-Dichloroethane	(1)	7.477	62	7829M	0.773
72) *1,4-Difluorobenzene	(2)	7.978	114	859413	50.000
73) Trichloroethene	(2)	8.321	130	5315	0.870
75) Methylcyclohexane	(2)	8.597	83	7177	0.692
76) 1,2-Dichloropropane	(2)	8.600	63	5425	0.795
79) Bromodichloromethane	(2)	8.969	83	6107	0.703
80) cis-1,3-Dichloropropene	(2)	9.524	75	7872	0.719

M = Compound was manually integrated.

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24b.b/rj24m01.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 15:07 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan24b.b/RASH42W.m Sublist used: ASH42W
Calibration date and time: 24-JAN-2006 11:40
Date, time and analyst ID of latest file update: 24-Jan-2006 15:40 sam00983

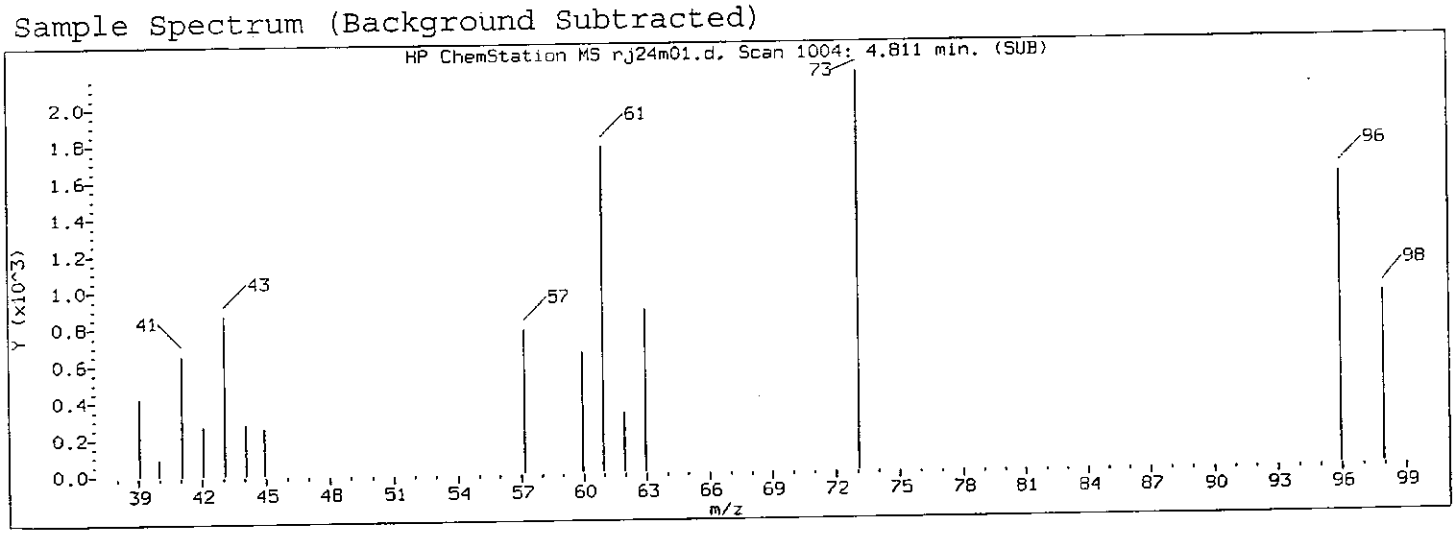
Sample Name: VSTD001 Lab Sample ID: 1 PPB MDL

Compounds	I.S. Ref.	RT	QIon.	Area	Conc. (on column)
81) 4-Methyl-2-Pentanone	(3)	9.700	43	8767	1.040
84) Toluene	(3)	9.909	91	22344	0.833
86) trans-1,3-Dichloropropene	(2)	10.146	75	7779	0.742
88) 1,1,2-Trichloroethane	(2)	10.326	97	4492	0.810
89) Tetrachloroethene	(3)	10.489	164	3989	0.824
90) 2-Hexanone	(3)	10.582	43	5973	1.033
91) Dibromochloromethane	(2)	10.723	129	3852	0.624
93) 1,2-Dibromoethane	(3)	10.829	107	4762	0.813
94) *Chlorobenzene-d5	(3)	11.259	117	772997	50.000
95) Chlorobenzene	(3)	11.288	112	14840	0.887
96) Ethylbenzene	(3)	11.381	106	7651	0.826
97) m+p-Xylene	(3)	11.480	106	20776	1.804
92) Xylene (Total)	(3)		106	30055	2.699
98) o-Xylene	(3)	11.817	106	9279	0.833
101) Styrene	(3)	11.833	104	14351	0.745
102) Bromoform	(2)	11.987	173	2618	0.618
106) Isopropylbenzene	(3)	12.119	105	23902	0.829
112) 1,1,2,2-Tetrachloroethane	(3)	12.343	83	6416	0.824
121) 1,3-Dichlorobenzene	(3)	13.087	146	10946	0.812
122) 1,4-Dichlorobenzene	(3)	13.148	146	13329	0.949
123) 1,2-Dichlorobenzene	(3)	13.418	146	11758	0.897
126) 1,2-Dibromo-3-Chloropropane	(3)	13.957	75	1471	0.897
131) 1,2,4-Trichlorobenzene	(3)	14.512	180	10706	1.165
66) $1,2-Dichloroethane-d4	(1)	7.381	65	8444M	1.013
83) $Toluene-d8	(3)	9.832	98	21728	0.976
108) $4-Bromofluorobenzene	(3)	12.247	95	9479M	1.078

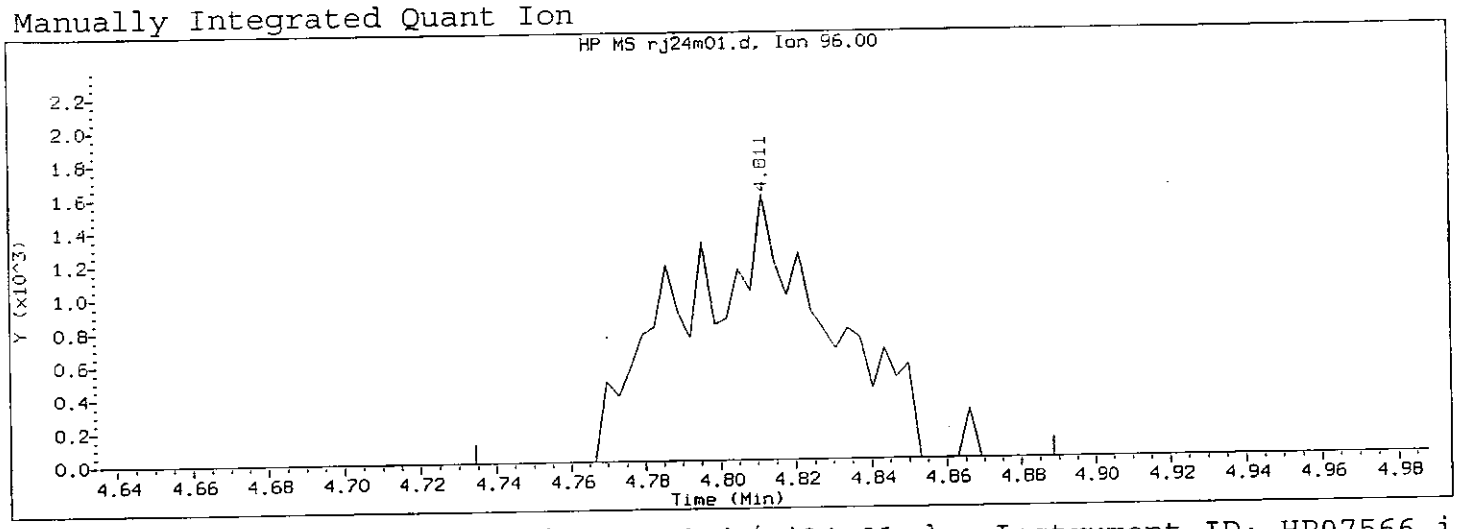
M = Compound was manually integrated.

* = Compound is an internal standard.
$ = Compound is a surrogate standard.

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP07566.i/06jan24b.b/rj24m01.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 15:07 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan24b.b/RASH42W.m Sublist used: ASH42W
Calibration date and time: 24-JAN-2006 15:13
Date, time and analyst ID of latest file update: 24-Jan-2006 15:40 sam00983

Sample Name: VSTD001 Lab Sample ID: 1 PPB MDL

Compound Number : 35
Compound Name : trans-1,2-Dichloroethene
Scan Number : 1004
Retention Time (minutes): 4.811
Quant Ion : 96
Area (flag) : 4290 M
Concentration (ug/L) : 0.7320
Integration start scan : 979 Integration stop scan: 1027
Y at integration start : 0 Y at integration end: 0

Reason for manual integration (circle one): missed peak improper integration

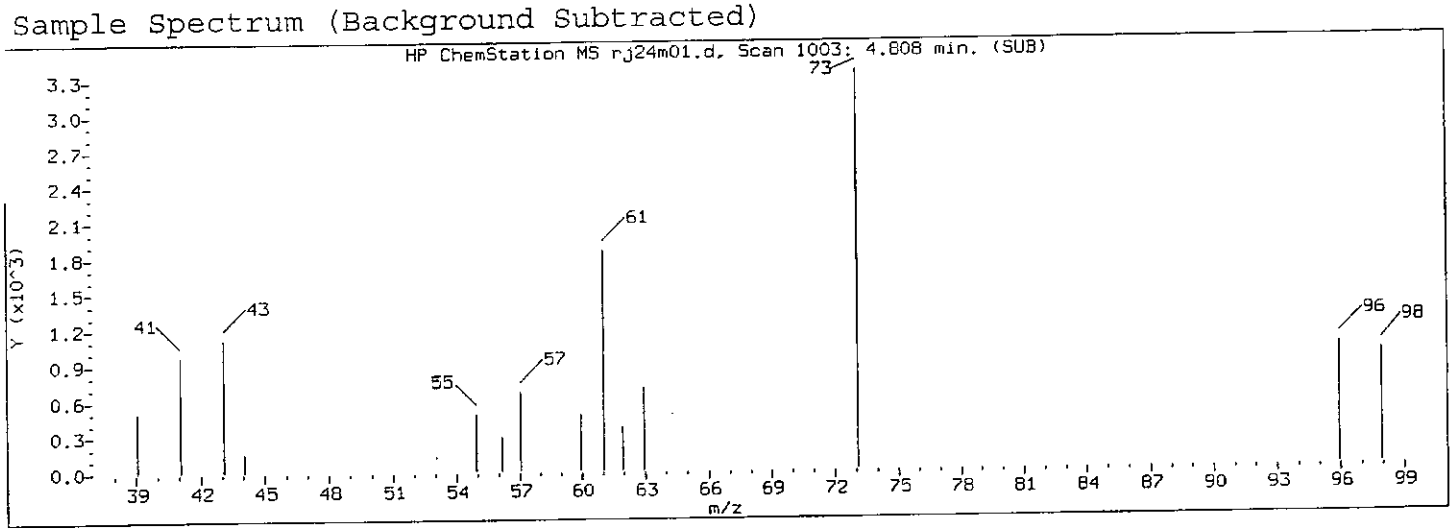
Analyst responsible for change: SAM983 1/24/06

8341

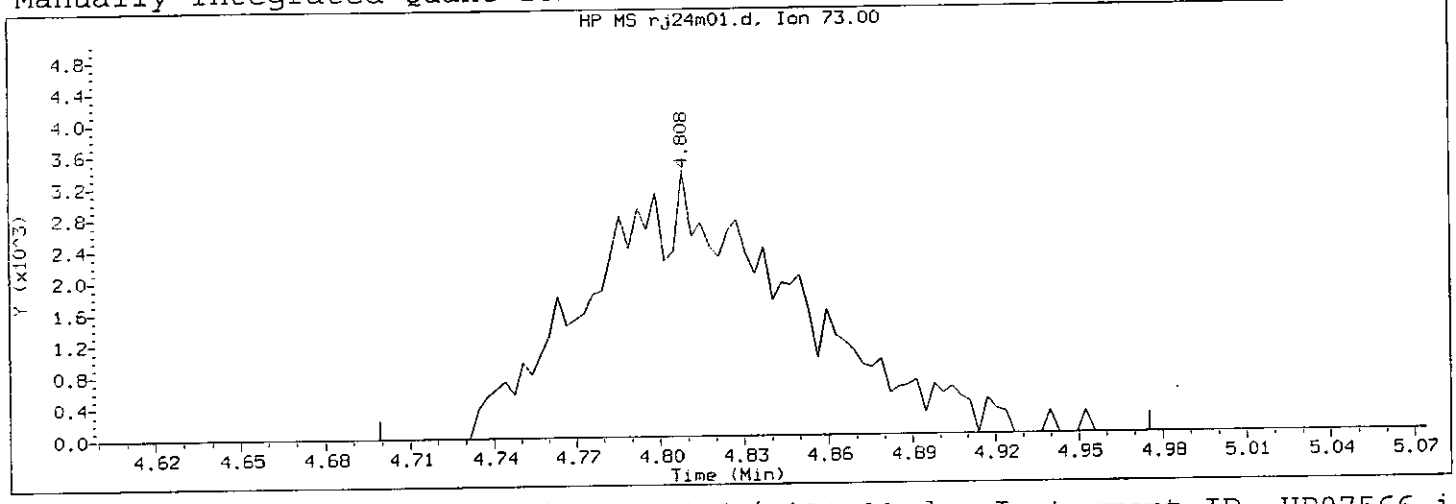
GC/MS audit/management approval: Jm 321, 1/25/06

Manual Integration Report for data file /chem/HP07566.i/06jan24b.b/rj24m01.d, generated on 01/24/2006 at 15:40

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP07566.i/06jan24b.b/rj24m01.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 15:07 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan24b.b/RASH42W.m Sublist used: ASH42W
Calibration date and time: 24-JAN-2006 15:13
Date, time and analyst ID of latest file update: 24-Jan-2006 15:40 sam00983

Sample Name: VSTD001 Lab Sample ID: 1 PPB MDL

Compound Number : 38
Compound Name : Methyl Tertiary Butyl Ether
Scan Number : 1003
Retention Time (minutes) : 4.808
Quant Ion : 73
Area (flag) : 16911 M
Concentration (ug/L) : 0.8345
Integration start scan : 968 Integration stop scan: 1054
Y at integration start : 0 Y at integration end: 0

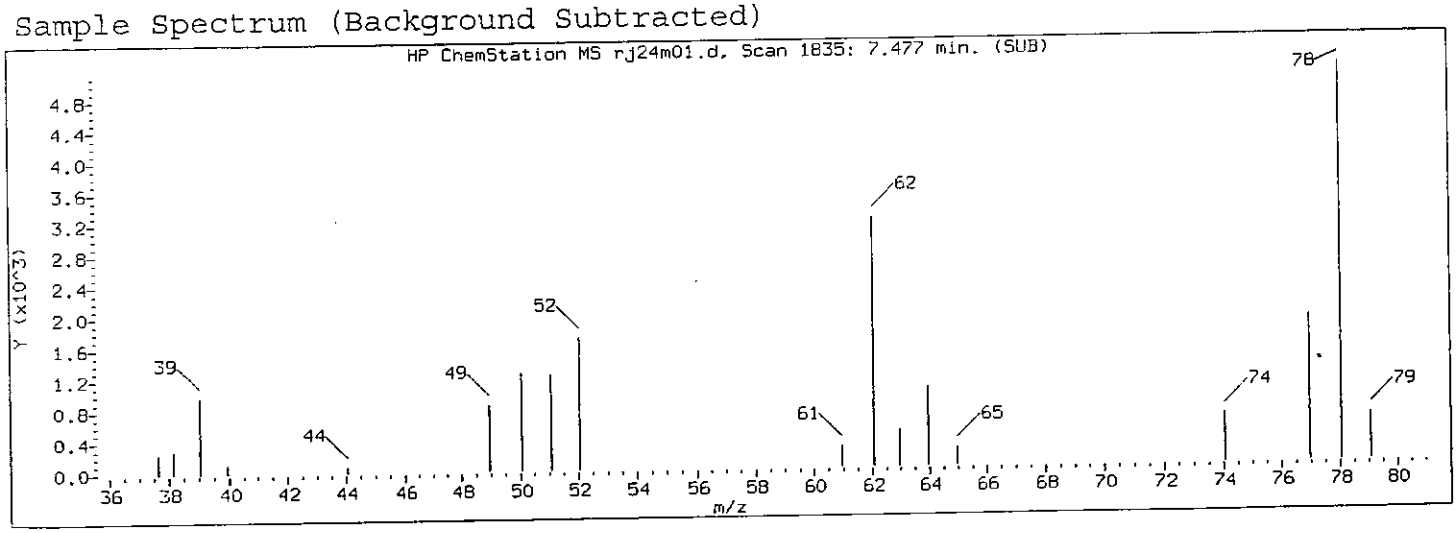
Reason for manual integration (circle one): missed peak improper integration

Analyst responsible for change: [signature] 1/24/06
8342

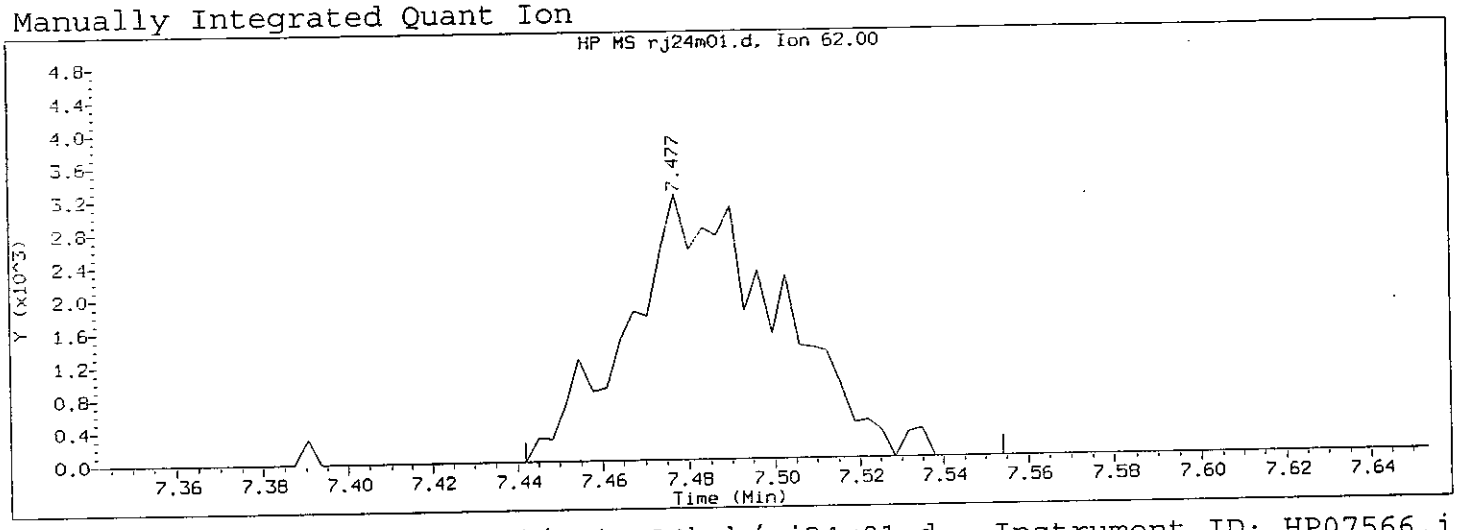
GC/MS audit/management approval: [signature] 1/25/06

Manual Integration Report for data file /chem/HP07566.i/06jan24b.b/rj24m01.d, generated on 01/24/2006 at 15:40

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP07566.i/06jan24b.b/rj24m01.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 15:07 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan24b.b/RASH42W.m Sublist used: ASH42W
Calibration date and time: 24-JAN-2006 15:13
Date, time and analyst ID of latest file update: 24-Jan-2006 15:40 sam00983

Sample Name: VSTD001 Lab Sample ID: 1 PPB MDL

Compound Number : 68
Compound Name : 1,2-Dichloroethane
Scan Number : 1835
Retention Time (minutes) : 7.477
Quant Ion : 62
Area (flag) : 7829 M
Concentration (ug/L) : 0.7725
Integration start scan : 1823 Integration stop scan: 1858
Y at integration start : 0 Y at integration end: 0

Reason for manual integration (circle one): missed peak improper integration

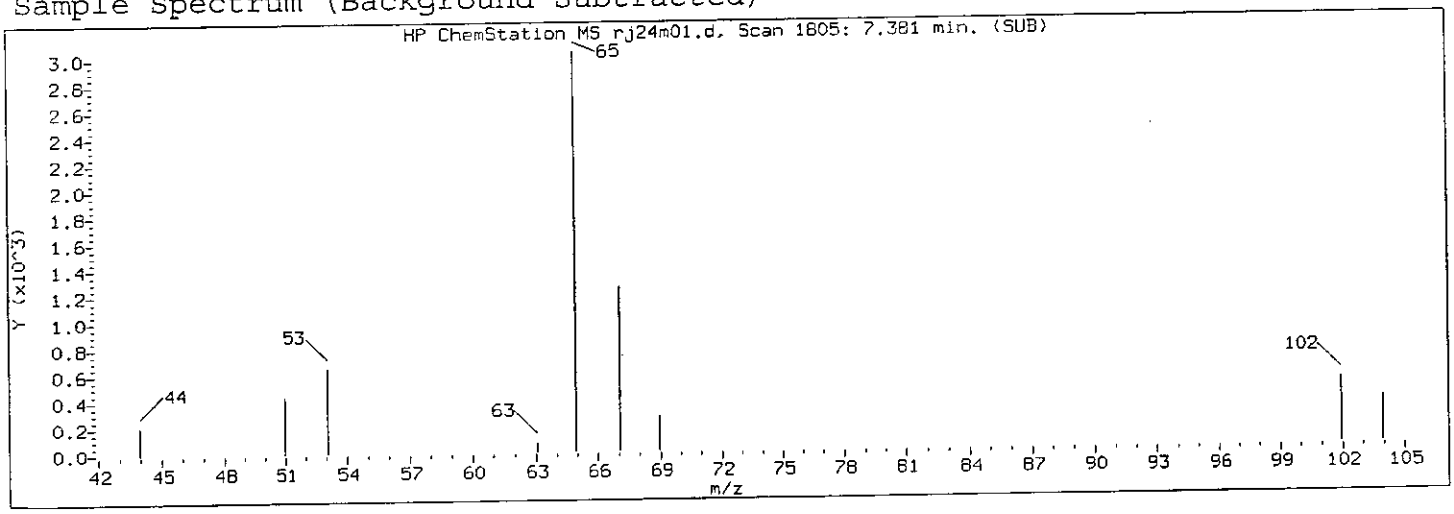
Analyst responsible for change: [signature] 1/24/06

0343

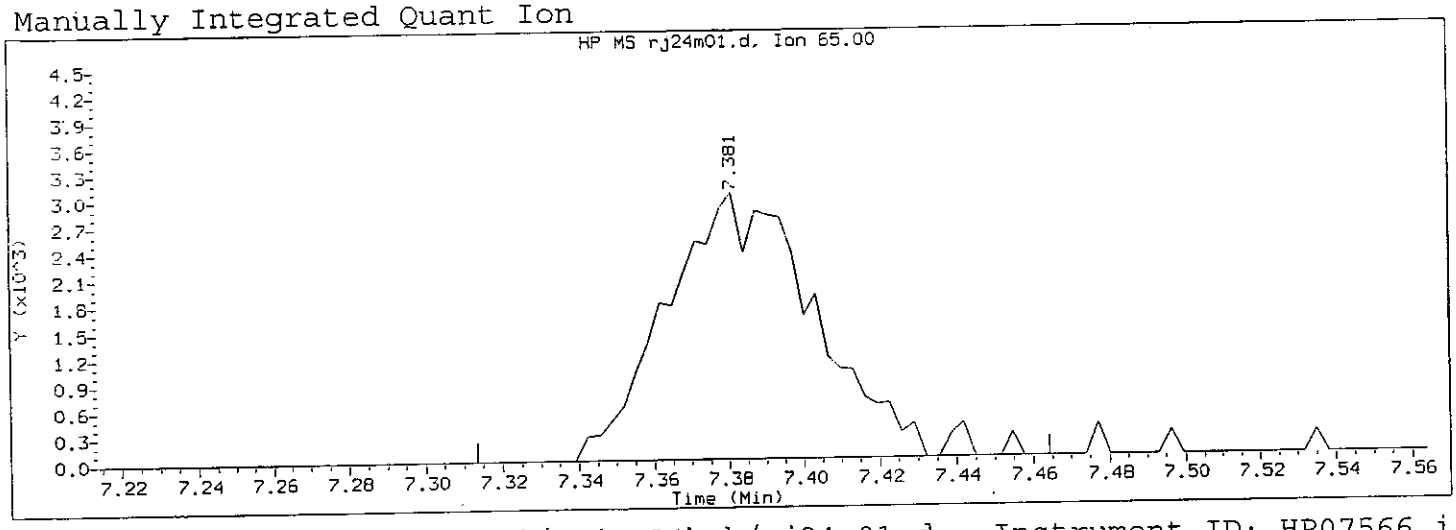
GC/MS audit/management approval: [signature] 1/25/06

Manual Integration Report for data file /chem/HP07566.i/06jan24b.b/rj24m01.d, generated on 01/24/2006 at 15:40

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP07566.i/06jan24b.b/rj24m01.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 15:07 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan24b.b/RASH42W.m Sublist used: ASH42W
Calibration date and time: 24-JAN-2006 15:13
Date, time and analyst ID of latest file update: 24-Jan-2006 15:40 sam00983

Sample Name: VSTD001 Lab Sample ID: 1 PPB MDL

Compound Number : 66
Compound Name : 1,2-Dichloroethane-d4
Scan Number : 1805
Retention Time (minutes): 7.381
Quant Ion : 65
Area (flag) : 8444 M
Concentration (ug/L) : 1.0129
Integration start scan : 1783 Integration stop scan: 1830
Y at integration start : 0 Y at integration end: 0

Reason for manual integration (circle one): missed peak improper integration

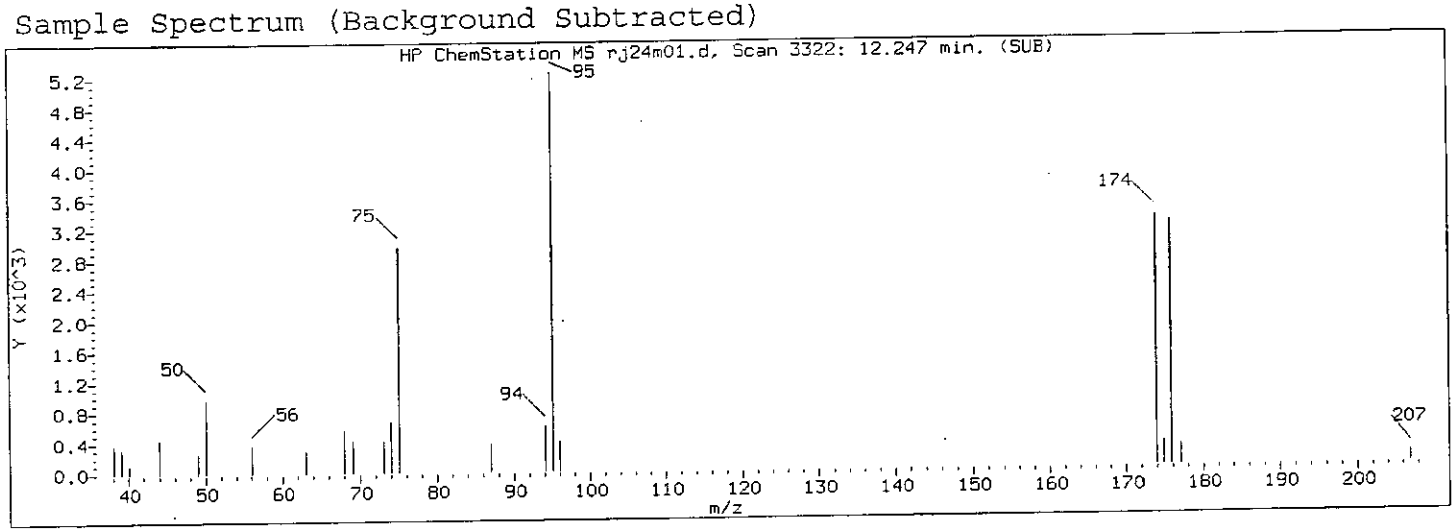
Analyst responsible for change: 1/24/06

8344

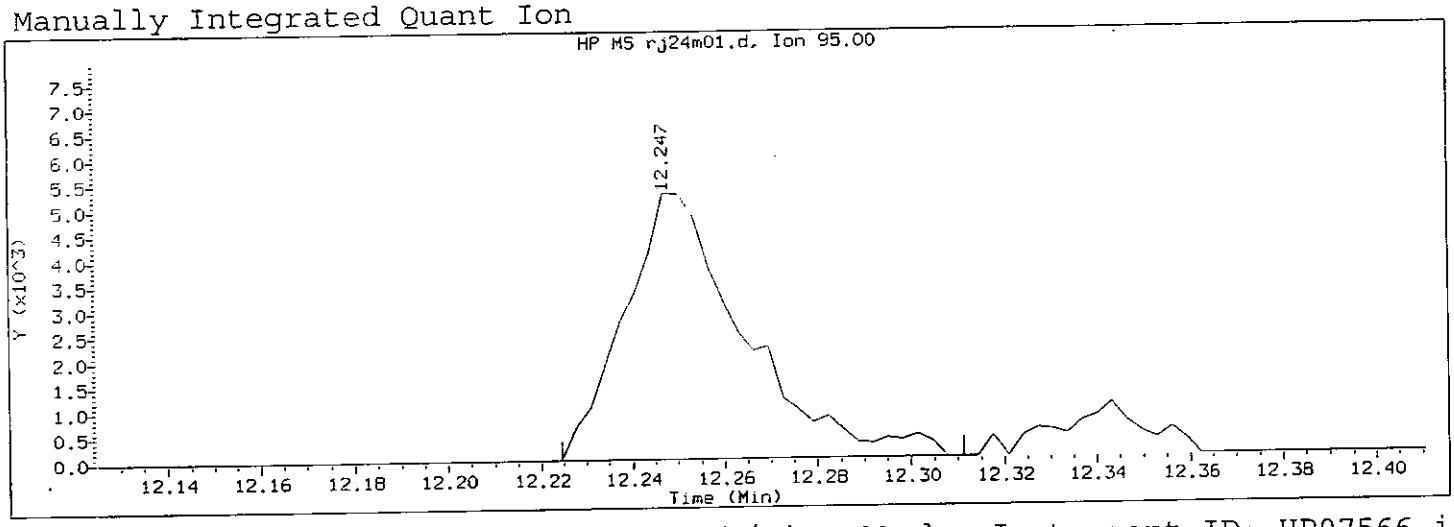
GC/MS audit/management approval: 1/25/06

Manual Integration Report for data file /chem/HP07566.i/06jan24b.b/rj24m01.d, generated on 01/24/2006 at 15:40

Sample Spectrum (Background Subtracted)



Manually Integrated Quant Ion



Data File: /chem/HP07566.i/06jan24b.b/rj24m01.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 15:07 Analyst ID: SAM00983

Method used: /chem/HP07566.i/06jan24b.b/RASH42W.m Sublist used: ASH42W
Calibration date and time: 24-JAN-2006 15:13
Date, time and analyst ID of latest file update: 24-Jan-2006 15:40 sam00983

Sample Name: VSTD001 Lab Sample ID: 1 PPB MDL

Compound Number : 108
Compound Name : 4-Bromofluorobenzene
Scan Number : 3322
Retention Time (minutes): 12.247
Quant Ion : 95
Area (flag) : 9479 M
Concentration (ug/L) : 1.0776
Integration start scan : 3314 Integration stop scan: 3341
Y at integration start : 0 Y at integration end: 0

Reason for manual integration (circle one): missed peak improper integration

Analyst responsible for change: [signature] / 1/24/06

0345

GC/MS audit/management approval: [signature] 1/25/06

Manual Integration Report for data file /chem/HP07566.i/06jan24b.b/rj24m01.d, generated on 01/24/2006 at 15:40

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Lancaster Laboratories Contract:_____

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

Instrument ID: HP07566 Calibration Date: 01/26/06 Time: 16:59

Lab File ID: rj26c01.d Init. Calib. Date(s): 01/26/06 01/26/06

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:58 13:34

GC Column: DB-624 ID: .25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Chloromethane	3.6291	3.7644		3.7	
* Vinyl Chloride	3.1646	3.4002	0.10	7.4	25.0*
* Bromomethane	2.0703	2.1662	0.10	4.6	25.0*
Chloroethane	1.8810	1.9802		5.3	
* 1,1-Dichloroethene	1.8442	2.2294	0.10	20.9	25.0*
Acetone	1.1791	1.1629		-1.4	
Carbon Disulfide	7.1447	8.3748		17.2	
Methylene Chloride	2.3779	2.5932		9.0	
trans-1,2-Dichloroethene	2.1626	2.4943		15.3	
* 1,1-Dichloroethane	4.7942	5.4640	0.20	14.0	25.0*
cis-1,2-Dichloroethene	2.3290	2.6208		12.5	
2-Butanone	1.6117	1.7401		8.0	
* Chloroform	4.7290	5.2720	0.20	11.5	25.0*
* 1,1,1-Trichloroethane	0.6809	0.7772	0.10	14.2	25.0*
* Carbon Tetrachloride	0.5504	0.6513	0.10	18.3	25.0*
1,2-Dichloroethene (Total)	2.2458	2.5576		13.9	
* Benzene	1.4656	1.6345	0.50	11.5	25.0*
* 1,2-Dichloroethane	4.6079	5.0225	0.10	9.0	25.0*
* Trichloroethene	0.3440	0.3906	0.30	13.6	25.0*
1,2-Dichloropropane	0.4037	0.4374		8.4	
* Bromodichloromethane	0.5658	0.6206	0.20	9.7	25.0*
* cis-1,3-Dichloropropene	0.6382	0.6962	0.20	9.1	25.0*
4-Methyl-2-Pentanone	0.6760	0.7137		5.6	
* Toluene	1.7314	1.8800	0.40	8.6	25.0*
* trans-1,3-Dichloropropene	0.6460	0.7024	0.10	8.7	25.0*
* 1,1,2-Trichloroethane	0.3248	0.3435	0.10	5.8	25.0*
* Tetrachloroethene	0.3013	0.3354	0.20	11.3	25.0*
2-Hexanone	0.4690	0.5057		7.8	
* Dibromochloromethane	0.3762	0.4090	0.10	8.7	25.0*
* Chlorobenzene	1.0627	1.1430	0.50	7.6	25.0*
* Ethylbenzene	0.5834	0.6437	0.10	10.3	25.0*
m+p-Xylene	0.7248	0.7963		9.9	
* Xylene (Total)	0.7227	0.7857	0.30	8.7	25.0*
o-Xylene	0.7227	0.7857		8.7	
* Styrene	1.1636	1.2645	0.30	8.7	25.0*
* Bromoform	0.2519	0.2776	0.10	10.2	25.0*

0346

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Lancaster Laboratories Contract:_____

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

Instrument ID: HP07566 Calibration Date: 01/26/06 Time: 16:59

Lab File ID: rj26c01.d Init. Calib. Date(s): 01/26/06 01/26/06

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:58 13:34

GC Column: DB-624 ID: .25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
* 1,1,2,2-Tetrachloroethane	0.5288	0.5522	0.30	4.4	25.0*
1,2-Dichloroethane-d4(mz102)	0.4920	0.4568		-7.2	
Toluene-d8(mz100)	0.9209	0.8308		-9.8	
1,2-Dichloroethane-d4	3.7282	3.3182		-11.0	
4-Bromofluorobenzene(mz174)	0.4367	0.3904		-10.6	
Toluene-d8	1.4498	1.3234		-8.7	
* 4-Bromofluorobenzene	0.5937	0.5358	0.20	-9.8	25.0*

0347

All other compounds must meet a minimum RRF of 0.010.

Data File: /chem/HP07566.i/06jan26b.b/rj26c01.d
Date : 26-JAN-2006 16:59
Client ID: VSTD050
Sample Info: VSTD050;VSTD050;2;2;;

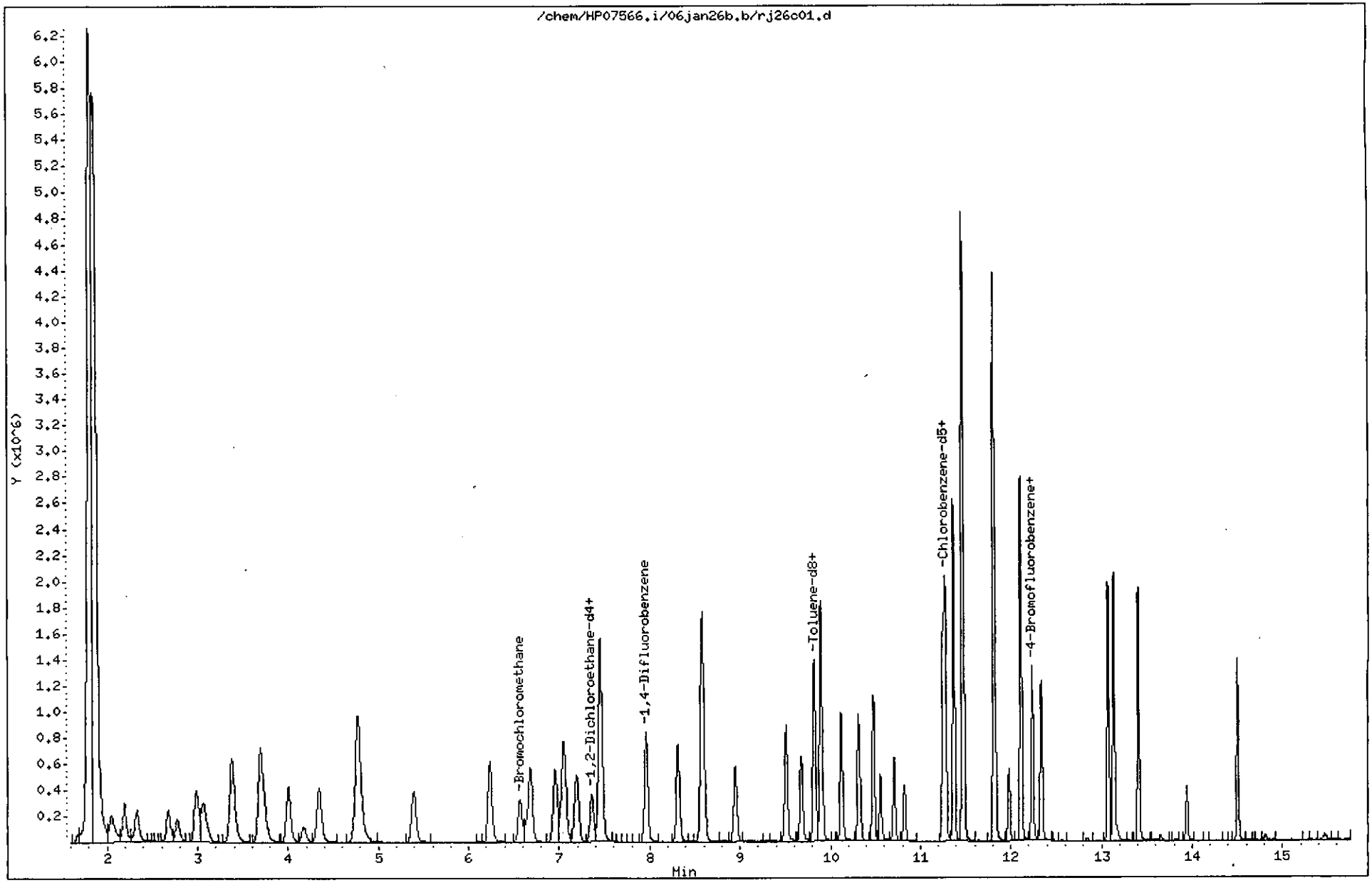
Column phase: DB-624

Instrument: HP07566.i

Operator: JML01693
Column diameter: 0.25

JML 1/26/06

B349



Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26c01.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 16:59 Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157SI
Calibration date and time: 29-JUN-2005 10:37
Date, time and analyst ID of latest file update: 26-Jan-2006 17:31 jml01693

Sample Name: VSTD050 Lab Sample ID: VSTD050

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
2) Chloromethane	(1)	2.191	50	480988	51.863
3) Vinyl Chloride	(1)	2.332	62	434452	53.721
5) Bromomethane	(1)	2.682	94	276781	52.316
6) Chloroethane	(1)	2.771	64	253015	52.638
10) 1,1-Dichloroethene	(1)	3.689	96	284862	60.443
16) Acetone	(1)	3.714	43	148590	49.316
18) Carbon Disulfide	(1)	4.003	76	1070071	58.608
22) Methylene Chloride	(1)	4.337	84	331336	54.525
26) trans-1,2-Dichloroethene	(1)	4.773	96	318704	57.668
31) 1,1-Dichloroethane	(1)	5.389	63	698157	56.985
37) cis-1,2-Dichloroethene	(1)	6.242	96	334874	56.267
40) 2-Butanone	(1)	6.239	43	222337	53.983
43) *Bromochloromethane	(1)	6.572	128	127773	50.000
45) Chloroform	(1)	6.685	83	673622	55.741
46) 1,1,1-Trichloroethane	(2)	6.957	97	638221	57.077
49) Carbon Tetrachloride	(2)	7.188	117	534839	59.171
38) 1,2-Dichloroethene (Total)	(1)		96	653578	113.882
52) Benzene	(2)	7.451	78	1342140	55.763
53) 1,2-Dichloroethane	(1)	7.458	62	641740	54.498
58) *1,4-Difluorobenzene	(2)	7.958	114	821126	50.000
61) Trichloroethene	(2)	8.314	130	320743	56.782
66) 1,2-Dichloropropane	(2)	8.593	63	359192	54.175
71) Bromodichloromethane	(2)	8.946	83	509557	54.838
75) cis-1,3-Dichloropropene	(2)	9.508	75	571675	54.543
76) 4-Methyl-2-Pentanone	(3)	9.678	43	545352	52.785
80) Toluene	(3)	9.899	91	1436595	54.289
81) trans-1,3-Dichloropropene	(2)	10.120	75	576740	54.362
83) 1,1,2-Trichloroethane	(2)	10.313	97	282055	52.870
85) Tetrachloroethene	(3)	10.476	164	256307	55.663
87) 2-Hexanone	(3)	10.556	43	386408	53.907
88) Dibromochloromethane	(2)	10.707	129	335836	54.350
91) *Chlorobenzene-d5	(3)	11.253	117	764162	50.000
92) Chlorobenzene	(3)	11.278	112	873458	53.781
94) Ethylbenzene	(3)	11.374	106	491908	55.171

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan26b.b/rj26c01.d Instrument ID: HP07566.i
Injection date and time: 26-JAN-2006 16:59 Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan26b.b/ROLM32SL.m Sublist used: 7157SI
Calibration date and time: 29-JUN-2005 10:37
Date, time and analyst ID of latest file update: 26-Jan-2006 17:31 jml01693

Sample Name: VSTD050 Lab Sample ID: VSTD050

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
95) m+p-Xylene	(3)	11.471	106	1217023	109.861
96) Xylene (Total)	(3)		106	1817410	164.537
97) o-Xylene	(3)	11.811	106	600386	54.355
98) Styrene	(3)	11.820	104	966255	54.336
99) Bromoform	(2)	11.981	173	227972	55.101
108) 1,1,2,2-Tetrachloroethane	(3)	12.334	83	422002	52.219
51)$1,2-Dichloroethane-d4(mz102)	(1)	7.355	102	58365	46.426
50)$1,2-Dichloroethane-d4	(1)	7.355	65	423971	44.501
79)$Toluene-d8(mz100)	(3)	9.822	100	634872	45.110
104)$4-Bromofluorobenzene(mz174)	(3)	12.241	174	298322	44.696
78)$Toluene-d8	(3)	9.825	98	1011274	45.640
103)$4-Bromofluorobenzene	(3)	12.237	95	409445	45.127

$ = Compound is a surrogate standard.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Lancaster Laboratories Contract:_____

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

Instrument ID: HP07566 Calibration Date: 01/24/06 Time: 18:19

Lab File ID: rj24c01.d Init. Calib. Date(s): 01/24/06 01/24/06

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:40 14:42

GC Column: DB-624 ID: .25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
Chloromethane	3.2351	3.1187		-3.6	
* Vinyl Chloride	2.8030	2.7843	0.10	-0.7	25.0*
* Bromomethane	1.7747	1.7848	0.10	0.6	25.0*
Chloroethane	1.5927	1.6168		1.5	
*1,1-Dichloroethene	1.6783	1.8266	0.10	8.8	25.0*
Acetone	0.8214	0.8724		6.2	
Carbon Disulfide	5.8445	6.4483		10.3	
Methylene Chloride	2.0456	2.1889		7.0	
trans-1,2-Dichloroethene	1.9401	2.0671		6.5	
* 1,1-Dichloroethane	3.9123	4.2848	0.20	9.5	25.0*
cis-1,2-Dichloroethene	2.1093	2.2519		6.8	
2-Butanone	1.3080	1.3844		5.8	
* Chloroform	3.6357	3.9987	0.20	10.0	25.0*
* 1,1,1-Trichloroethane	0.5215	0.5747	0.10	10.2	25.0*
* Carbon Tetrachloride	0.4268	0.4705	0.10	10.2	25.0*
1,2-Dichloroethene (Total)	2.0247	2.1595		6.6	
* Benzene	1.3912	1.4632	0.50	5.2	25.0*
* 1,2-Dichloroethane	3.2858	3.6114	0.10	9.9	25.0*
* Trichloroethene	0.3392	0.3529	0.30	4.0	25.0*
1,2-Dichloropropane	0.3798	0.3945		3.9	
* Bromodichloromethane	0.4571	0.4844	0.20	6.0	25.0*
* cis-1,3-Dichloropropene	0.5936	0.6149	0.20	3.6	25.0*
4-Methyl-2-Pentanone	0.5251	0.5312		1.2	
* Toluene	1.6293	1.6798	0.40	3.1	25.0*
* trans-1,3-Dichloropropene	0.5722	0.5989	0.10	4.7	25.0*
* 1,1,2-Trichloroethane	0.3085	0.3158	0.10	2.4	25.0*
* Tetrachloroethene	0.2900	0.3042	0.20	4.9	25.0*
2-Hexanone	0.3703	0.3669		-0.9	
* Dibromochloromethane	0.3280	0.3425	0.10	4.4	25.0*
* Chlorobenzene	1.0093	1.0428	0.50	3.3	25.0*
* Ethylbenzene	0.5464	0.5668	0.10	3.7	25.0*
m+p-Xylene	0.6821	0.7141		4.7	
* Xylene (Total)	0.6704	0.6927	0.30	3.3	25.0*
o-Xylene	0.6704	0.6927		3.3	

0351

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Lancaster Laboratories Contract:_____

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

Instrument ID: HP07566 Calibration Date: 01/24/06 Time: 18:19

Lab File ID: rj24c01.d Init. Calib. Date(s): 01/24/06 01/24/06

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:40 14:42

GC Column: DB-624 ID: .25 (mm)

COMPOUND	RRF	RRF50	MIN RRF	%D	MAX %D
* Styrene	1.1397	1.1594	0.30	1.7	25.0*
* Bromoform	0.2282	0.2365	0.10	3.6	25.0*
* 1,1,2,2-Tetrachloroethane	0.4724	0.4667	0.30	-1.2	25.0*
1,2-Dichloroethane-d4(mz102)	0.4951	0.4462		-9.9	
Toluene-d8(mz100)	0.9199	0.8384		-8.8	
1,2-Dichloroethane-d4	2.7746	2.6483		-4.6	
4-Bromofluorobenzene(mz174)	0.4430	0.4083		-7.8	
Toluene-d8	1.4307	1.3094		-8.5	
* 4-Bromofluorobenzene	0.5537	0.5172	0.20	-6.6	25.0*

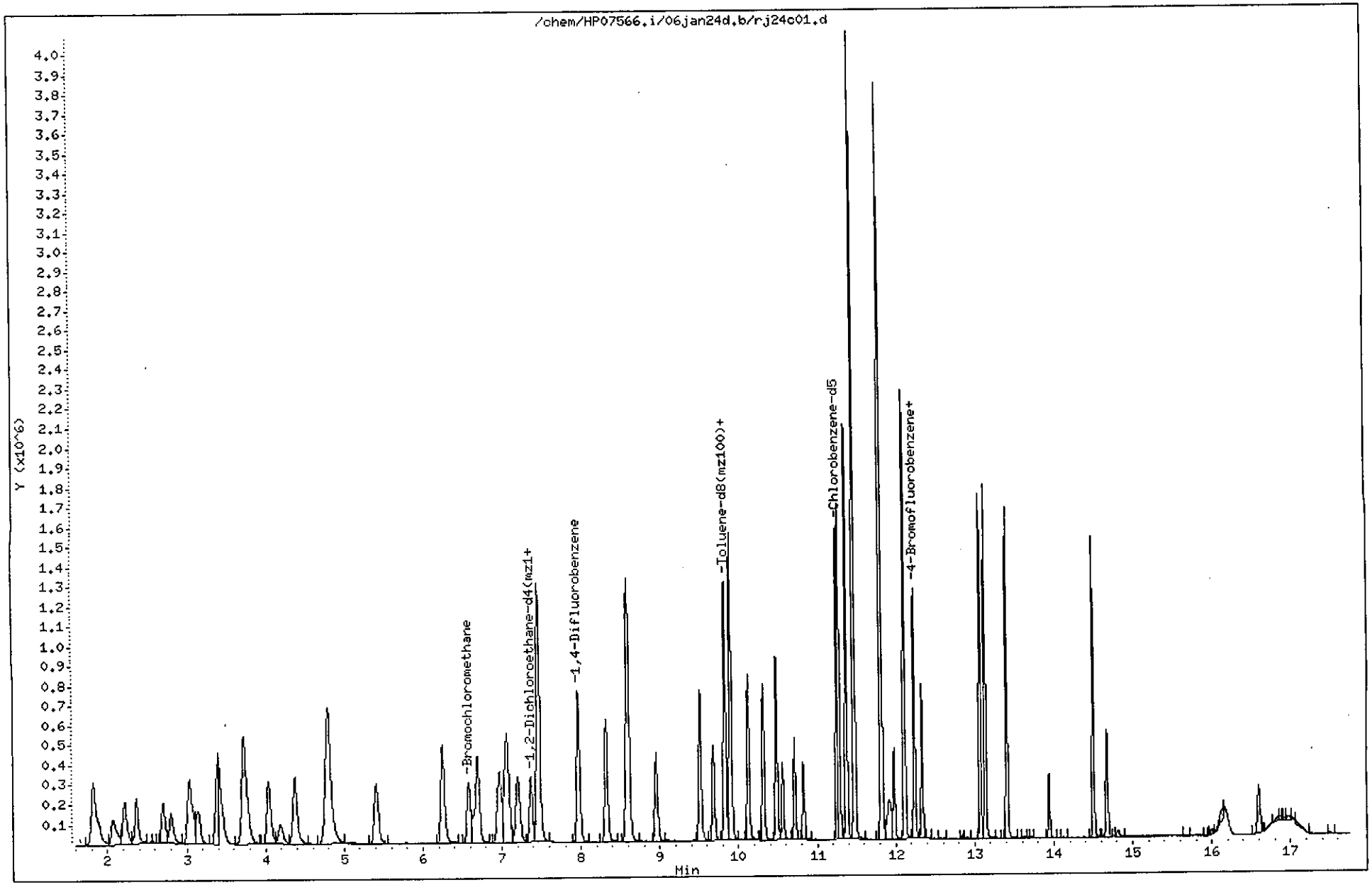
0352

All other compounds must meet a minimum RRF of 0.010.

Data File: /chem/HP07566.i/06jan24d.b/rj24c01.d
Date : 24-JAN-2006 18:19
Client ID: VSTD050
Sample Info: VSTD050;VSTD050;1;2;;
Purge Volume: 5.0
Column phase: DB-624

Instrument: HP07566.i

Operator: JML01693
Column diameter: 0.25



Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24d.b/rj24c01.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 18:19 Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan24d.b/ROLM32W.m Sublist used: OLM32WI
Calibration date and time: 24-JAN-2006 11:40
Date, time and analyst ID of latest file update: 24-Jan-2006 19:01 jml01693

Sample Name: VSTD050 Lab Sample ID: VSTD050

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
1) Dichlorodifluoromethane	(1)	2.074	85	379187	0.000
2) Chloromethane	(1)	2.219	50	424510	48.201
3) Vinyl Chloride	(1)	2.370	62	378987	49.666
5) Bromomethane	(1)	2.703	94	242934	50.282
6) Chloroethane	(1)	2.803	64	220068	50.756
7) Trichlorofluoromethane	(1)	3.143	101	468984	0.000
10) 1,1-Dichloroethene	(1)	3.720	96	248632	54.418
16) Acetone	(1)	3.733	43	118747	53.105
18) Carbon Disulfide	(1)	4.041	76	877714	55.165
21) Methylene Chloride	(1)	4.374	84	297939	53.502
25) trans-1,2-Dichloroethene	(1)	4.801	96	281367	53.274
31) 1,1-Dichloroethane	(1)	5.417	63	583228	54.760
37) cis-1,2-Dichloroethene	(1)	6.254	96	306523	53.381
39) 2-Butanone	(1)	6.251	43	188447	52.922
42) *Bromochloromethane	(1)	6.584	128	136116	50.000
44) Chloroform	(1)	6.700	83	544291	54.992
45) 1,1,1-Trichloroethane	(2)	6.976	97	479941	55.098
56) *1,4-Difluorobenzene	(2)	7.970	114	835083	50.000
48) Carbon Tetrachloride	(2)	7.210	117	392932	55.117
145) 1,2-Dichloroethene (Total)	(1)		96	587890	106.659
50) Benzene	(2)	7.463	78	1221900	52.586
51) 1,2-Dichloroethane	(1)	7.473	62	491577	54.955
59) Trichloroethene	(2)	8.326	130	294694	52.025
63) 1,2-Dichloropropane	(2)	8.599	63	329447	51.931
68) Bromodichloromethane	(2)	8.958	83	404541	52.985
72) cis-1,3-Dichloropropene	(2)	9.516	75	513509	51.795
73) 4-Methyl-2-Pentanone	(3)	9.683	43	411569	50.585
76) Toluene	(3)	9.901	91	1301431	51.548
77) trans-1,3-Dichloropropene	(2)	10.126	75	500153	52.335
79) 1,1,2-Trichloroethane	(2)	10.318	97	263708	51.178
81) Tetrachloroethene	(3)	10.485	164	235706	52.447
83) 2-Hexanone	(3)	10.559	43	284278	49.538
84) Dibromochloromethane	(2)	10.713	129	286050	52.215
87) *Chlorobenzene-d5	(3)	11.255	117	774764	50.000

* = Compound is an internal standard.

Quant Report

Target Revision 3.5

Data File: /chem/HP07566.i/06jan24d.b/rj24c01.d Instrument ID: HP07566.i
Injection date and time: 24-JAN-2006 18:19 Analyst ID: JML01693

Method used: /chem/HP07566.i/06jan24d.b/ROLM32W.m Sublist used: OLM32WI
Calibration date and time: 24-JAN-2006 11:40
Date, time and analyst ID of latest file update: 24-Jan-2006 19:01 jml01693

Sample Name: VSTD050 Lab Sample ID: VSTD050

Compounds	I.S. Ref.	RT	QIon	Area	Conc. (on column)
88) Chlorobenzene	(3)	11.281	112	807946	51.659
90) Ethylbenzene	(3)	11.377	106	439170	51.875
91) m+p-Xylene	(3)	11.476	106	1106544	104.698
92) Xylene (Total)	(3)		106	1643209	158.172
93) o-Xylene	(3)	11.816	106	536665	51.658
94) Styrene	(3)	11.823	104	898247	50.861
95) Bromoform	(2)	11.983	173	197532	51.824
103) 1,1,2,2-Tetrachloroethane	(3)	12.336	83	361587	49.401
146)$1,2-Dichloroethane-d4(mz102)	(1)	7.367	102	60740	45.068
147)$Toluene-d8(mz100)	(3)	9.831	100	649604	45.572
49)$1,2-Dichloroethane-d4	(1)	7.370	65	360480	47.725
148)$4-Bromofluorobenzene(mz174)	(3)	12.240	174	316318	46.082
75)$Toluene-d8	(3)	9.831	98	1014491	45.760
99)$4-Bromofluorobenzene	(3)	12.240	95	400696	46.704

$ = Compound is a surrogate standard.

Raw QC Data

Data File: /chem/HP07566.i/06jan26a.b/rj26t02.d

Date : 26-JAN-2006 08:36

Client ID: BFB AUG 26

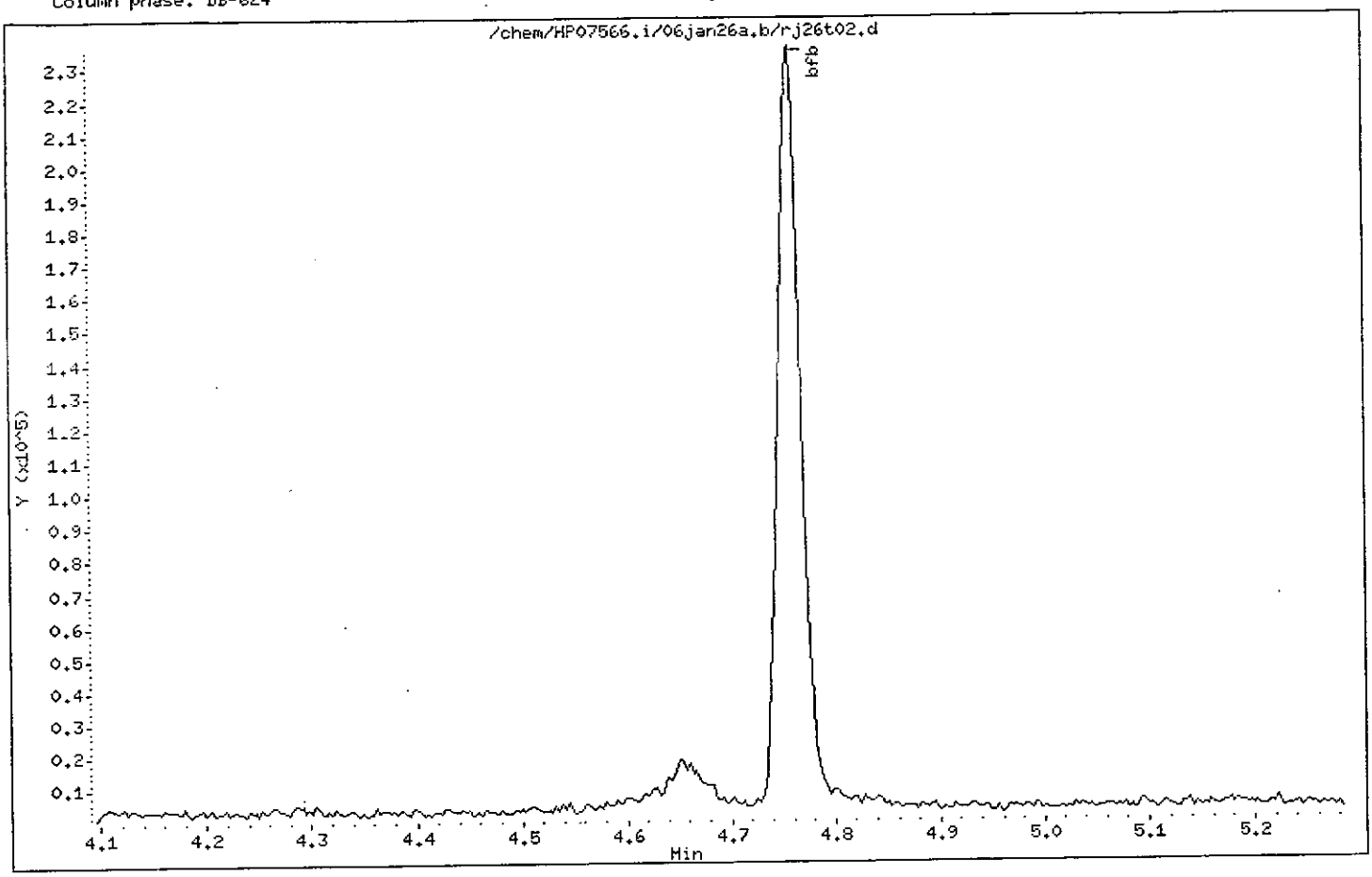
Instrument: HP07566.i

Sample Info: BFB AUG 26;50ng BFB;1;3;;

Operator: SAM00983

Column phase: DB-624

Column diameter: 0.25



1/26/06

Data File: /chem/HP07566.i/06jan26a.b/rj26t02.d

Date : 26-JAN-2006 08:36

Client ID: BFB AUG 26

Instrument: HP07566.i

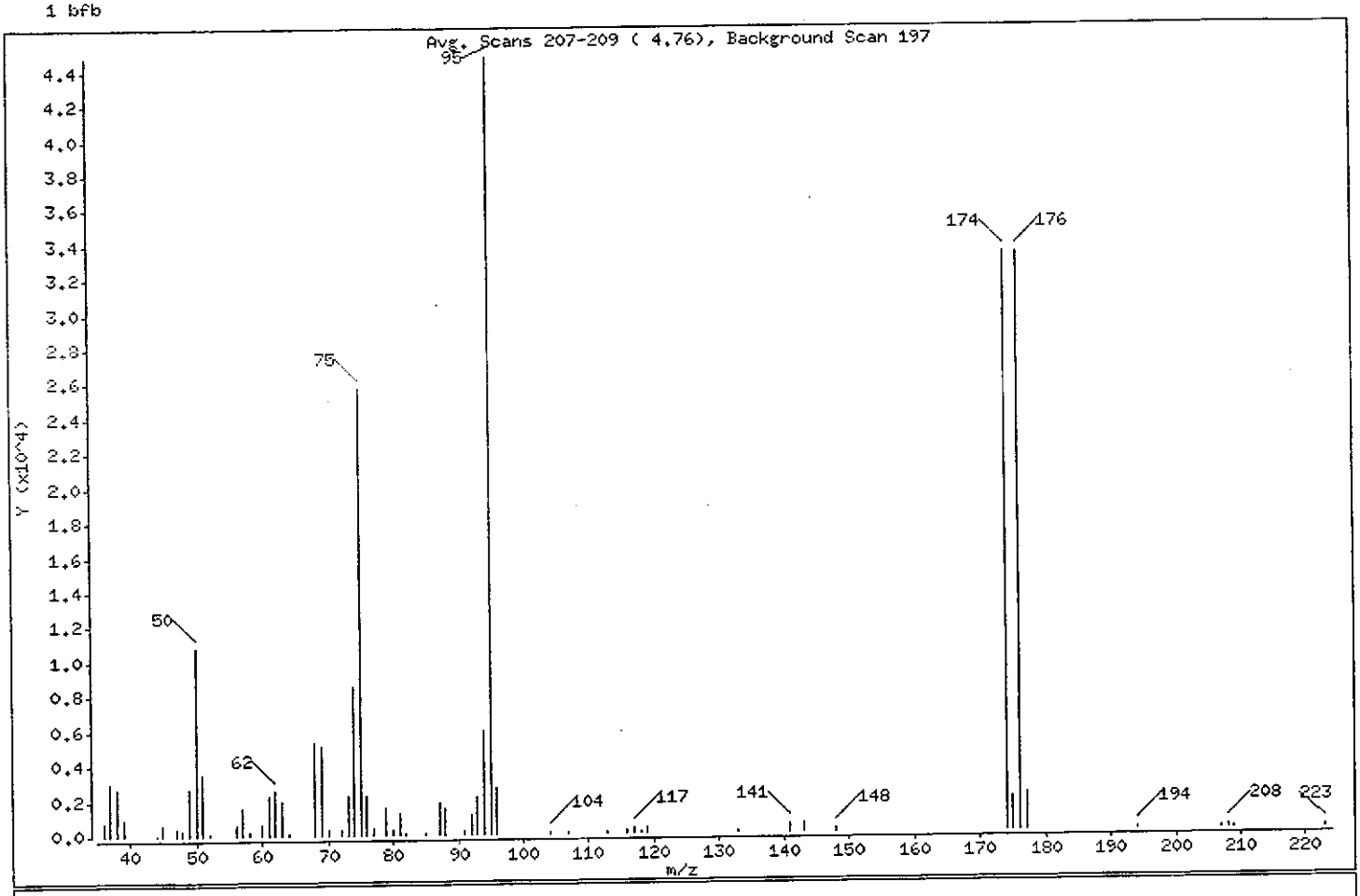
Sample Info: BFB AUG 26;50ng BFB;1;3;;

Operator: SAM00983

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	24.19
75	30.00 - 66.00% of mass 95	57.52
96	5.00 - 9.00% of mass 95	5.99
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	74.56
175	4.00 - 9.00% of mass 174	4.33 (5.81)
176	93.00 - 101.00% of mass 174	74.41 (99.80)
177	5.00 - 9.00% of mass 176	4.87 (6.54)

Data File: /chem/HP07566.i/06jan26a.b/rj26t02.d

Date : 26-JAN-2006 08:36

Client ID: BFB AUG 26

Instrument: HP07566.i

Sample Info: BFB AUG 26;50ng BFB;1;3;;

Operator: SAM00983

Column phase: DB-624

Column diameter: 0.25

Data File: rj26t02.d

Spectrum: Avg. Scans 207-209 (4.76), Background Scan 197

Location of Maximum: 95.00

Number of points: 62

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	679	61.00	2245	82.00	112	119.00	294
37.00	2958	62.00	2572	85.00	107	133.00	95
38.00	2715	63.00	1918	87.00	1901	141.00	499
39.00	897	64.00	125	88.00	1583	143.00	474
44.00	20	68.00	5397	91.00	216	148.00	178
45.00	587	69.00	5174	92.00	1138	174.00	33392
47.00	463	70.00	327	93.00	2111	175.00	1941
48.00	333	72.00	304	94.00	5970	176.00	33328
49.00	2688	73.00	2253	95.00	44792	177.00	2180
50.00	10835	74.00	8557	96.00	2685	194.00	125
51.00	3529	75.00	25760	104.00	150	207.00	72
52.00	137	76.00	2299	107.00	86	208.00	226
56.00	668	77.00	431	113.00	105	209.00	127
57.00	1512	79.00	1577	116.00	223	223.00	93
58.00	214	80.00	307	117.00	343		
60.00	635	81.00	1255	118.00	133		

Data File: /chem/HP07566.i/06jan26b.b/rj26t03.d

Date : 26-JAN-2006 16:33

Client ID: BFB AUG 26

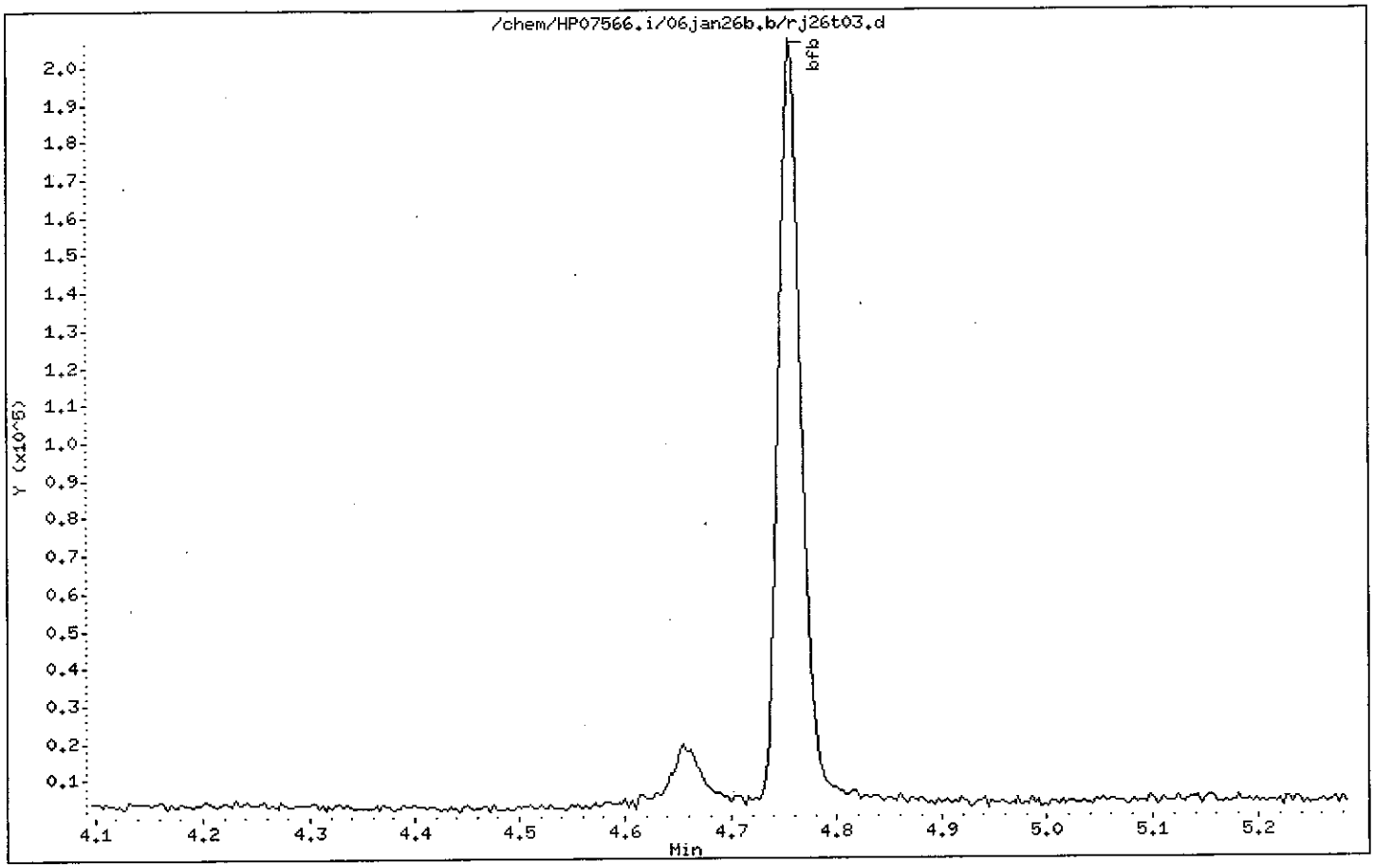
Instrument: HP07566.i

Sample Info: BFB AUG 26;50ng BFB;1;3;;

Operator: JML01693

Column phase: DB-624

Column diameter: 0.25



JMcA
1/26/06

Data File: /chem/HP07566.i/06jan26b.b/rj26t03.d

Date : 26-JAN-2006 16:33

Client ID: BFB AUG 26

Instrument: HP07566.i

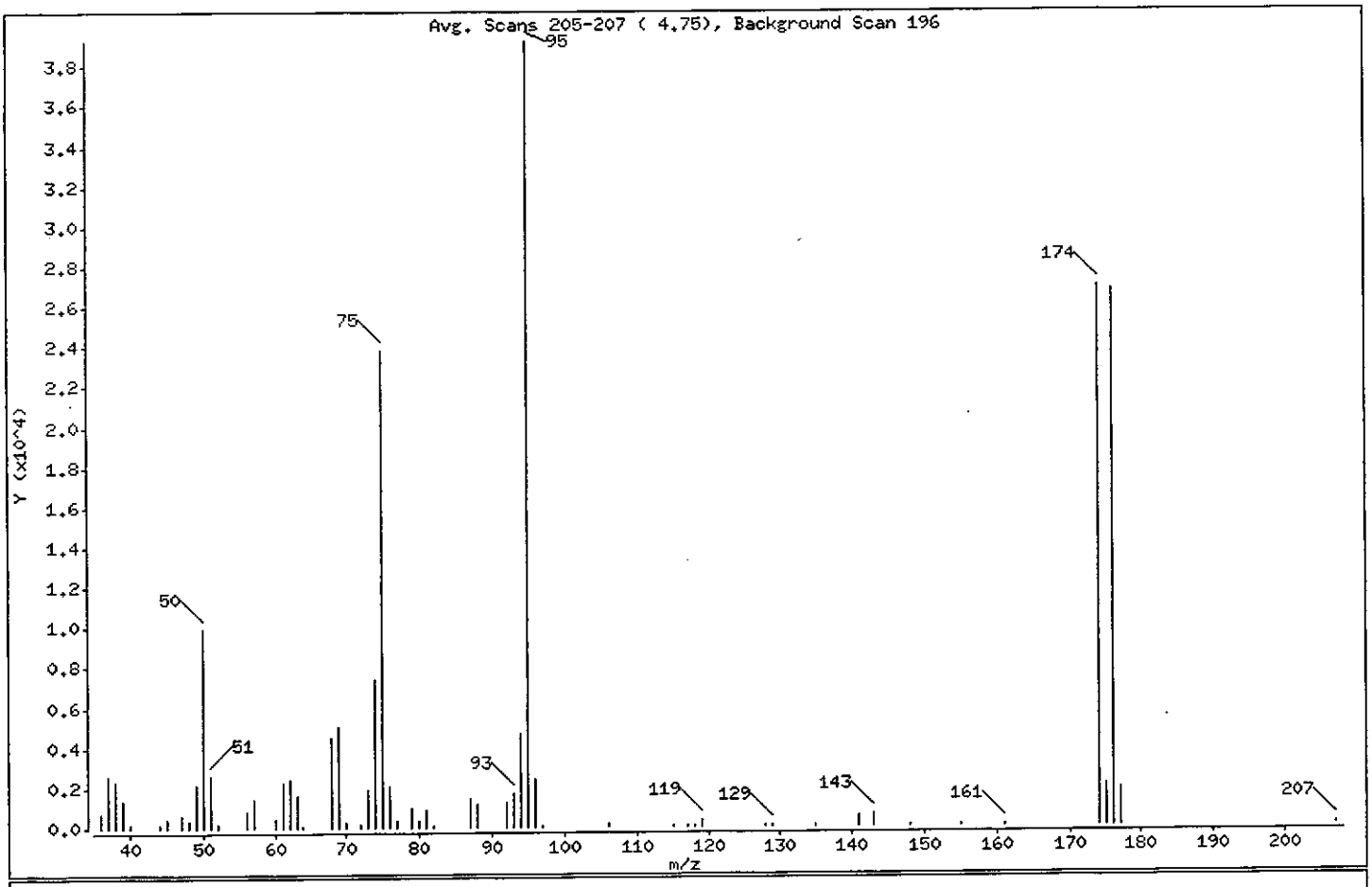
Sample Info: BFB AUG 26;50ng BFB;1;3;;

Operator: JML01693

Column phase: DB-624

Column diameter: 0.25

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	8.00 - 40.00% of mass 95	25.29
75	30.00 - 66.00% of mass 95	60.73
96	5.00 - 9.00% of mass 95	6.09
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	68.62
175	4.00 - 9.00% of mass 174	5.27 (7.68)
176	93.00 - 101.00% of mass 174	68.28 (99.50)
177	5.00 - 9.00% of mass 176	4.73 (6.93)