User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 02/20/2002 Time: 17:16:16

Sample: AE02714
Analysis: SB1524 Volatile Organic Compounds-Blank
Units: ug
Started: 02/11/02 00:09 Ended: 02/11/02 00:09 Analyst: BH
Result source: manual entry
Page: 1

	Component Name	Viol	Result
1	Surr - 1,2-DICHLOROETHANE-D		5.16
2	Surr - 4-BROMOFLUOROBENZE		5.02
3	DICHLORODIFLUOROMETHANE		< MDL
4	CHLOROMETHANE		< MDL
5	VINYL CHLORIDE		< MDL
6	BROMOMETHANE		< MDL
7	CHLOROETHANE		< MDL
8	TRICHLOROFLUOROMETHANE		< MDL
9	ACETONE		2.0
10	1,1-DICHLOROETHENE		< MDL
11	METHYLENE CHLORIDE		0.65
12	METHYL TERT BUTYL ETHER		< MDL
13	TRANS-1,2-DICHLOROETHENE		< MDL
14	1,1-DICHLOROETHANE		< MDL
15	2-BUTANONE (MEK)		3.4
16	2,2-DICHLOROPROPANE		< MDL
17	CIS,1,2-DICHLOROETHENE		< MDL
18	CHLOROFORM		< MDL
19	BROMOCHLOROMETHANE		< MDL
20	1,2-DICHLOROETHANE		< MDL
21	Surr - TOLUENE-D8		4.9
22	1,1,1-TRICHLOROETHANE		< MDL
23	1,1-DICHLOROPROPENE		< MDL
24	CARBON TETRACHLORIDE		< MDL
25	BENZENE		< MDL
26	TRICHLOROETHENE		< MDL
27	1,2-DICHLOROPROPANE		< MDL
28	DIBROMOMETHANE		< MDL
29	BROMODICHLOROMETHANE		< MDL
30	2-CHLOROETHYL VINYL ETHER		< MDL
31	MIBK		< MDL
32	CIS-1,3-DICHLOROPROPENE		< MDL
33	TOLUENE		< MDL
34	TRANS-1,3-DICHLOROPROPENE		< MDL
35	1,1,2-TRICHLOROETHANE		< MDL
36	TETRACHLOROETHENE		< MDL
37	1,3-DICHLOROPROPANE		< MDL
38	DIBROMOCHLOROMETHANE		< MDL
39	1,2-DIBROMOETHANE		< MDL
40	CHLOROBENZENE		< MDL
41	1,1,1,2-TETRACHLOROETHANE		< MDL
42	2-HEXANONE		< MDL
43	ETHYLBENZENE		< MDL
44	P & M-XYLENE		< MDL
45	O-XYLENE		< MDL
46	STYRENE		< MDL
47	1,1,2,2-TETRACHLOROETHANE		< MDL

- lab cont

- lab cont

Reviewed by,
JB 5/10/02

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 02/20/2002 Time: 17:16:16

Sample: AE02714
Analysis: SB1524 Volatile Organic Compounds-Blank
Units: ug
Started: 02/11/02 00:09 Ended: 02/11/02 00:09 Analyst: BH
Result source: manual entry
Page: 2

	Component Name	Viol	Result
48	BROMOFORM		< MDL
49	ISOPROPYLBENZENE		< MDL
50	1,2,3-TRICHLOROPROPANE		< MDL
51	N-PROPYLBENZENE		< MDL
52	BROMOBENZENE		< MDL
53	1,3,5-TRIMETHYLBENZENE		< MDL
54	2-CHLOROTOLUENE		< MDL
55	4-CHLOROTOLUENE		< MDL
56	TERT-BUTYLBENZENE		< MDL
57	1,2,4-TRIMETHYLBENZENE		< MDL
58	SEC-BUTYLBENZENE		< MDL
59	P-ISOROPYLTOLUENE		< MDL
60	1,3-DICHLOROBENZENE		< MDL
61	1,4-DICHLOROBENZENE		< MDL
62	N-BUTYLBENZENE		< MDL
63	1,2-DICHLOROBENZENE		< MDL
64	1,2-DIBROMO-3-CHLOROPROPA		< MDL
65	1,2,4-TRICHLOROBENZENE		< MDL
66	HEXACHLOROBUTADIENE		< MDL
67	NAPHTHALENE		< MDL
68	1,2,3-TRICHLOROBENZENE		< MDL
69	ETHANOL		< MDL
70	NITROBENZENE		< MDL

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB11\0211B1.D Vial: 1
Acq On : 11 Feb 2002 9:28 am Operator: 201-wb
Sample : lab blank Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 20 17:12 2002 Quant Results File: HP021102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Feb 14 17:25:54 2002
Response via : Initial Calibration
DataAcq Meth : HP020502

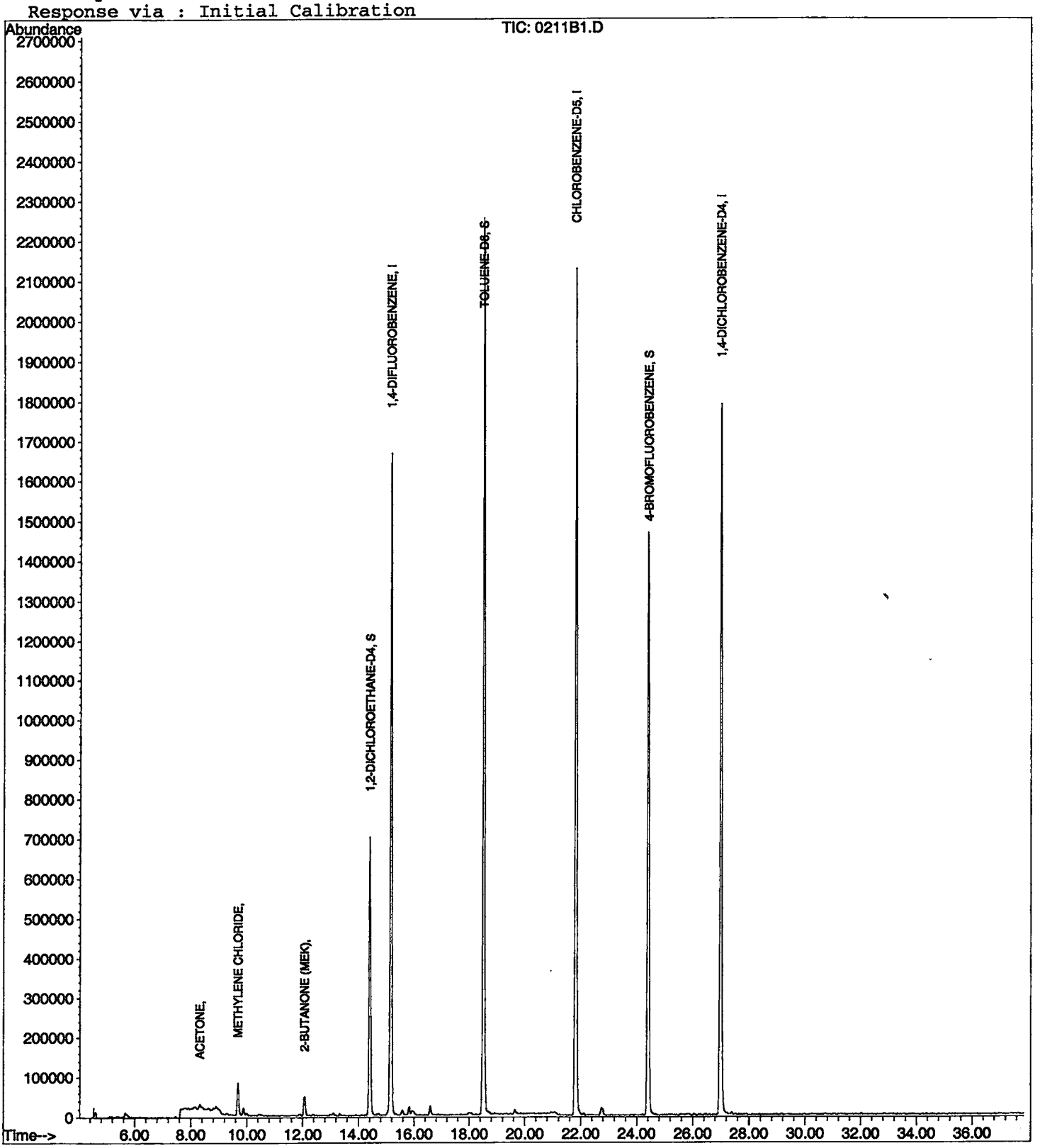
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.16	114	2428866	5.00	ug/L	0.05
24) CHLOROBENZENE-D5	21.81	117	2457657	5.00	ug/L	0.05
52) 1,4-DICHLOROBENZENE-D4	27.00	152	1176835	5.00	ug/L	0.05
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.40	65	954738	5.16	ug/L	0.05
Spiked Amount 5.000			Recovery =	103.20%		
3) 4-BROMOFLUOROBENZENE	24.41	174	915573	5.02	ug/L	0.05
Spiked Amount 5.000			Recovery =	100.40%		
25) TOLUENE-D8	18.51	98	3026851	4.97	ug/L	0.03
Spiked Amount 5.000			Recovery =	99.40%		
Target Compounds						Qvalue
12) ACETONE	8.32	43	33788	2.02	ug/L	90
14) METHYLENE CHLORIDE	9.68	49	91476	0.65	ug/L	97
18) 2-BUTANONE (MEK)	12.07	43	133193	3.44	ug/L	98

(#) = qualifier out of range (m) = manual integration
0211B1.D HP021102.M Wed Feb 20 17:13:00 2002 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB11\0211B1.D Vial: 1
Acq On : 11 Feb 2002 9:28 am Operator: 201-wb
Sample : lab blank Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 20 17:12 2002 Quant Results File: HP021102.RES

Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 14:40:09 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB11\0211B1.D Vial: 1
Acq On : 11 Feb 2002 9:28 am Operator: 201-wb
Sample : lab blank Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

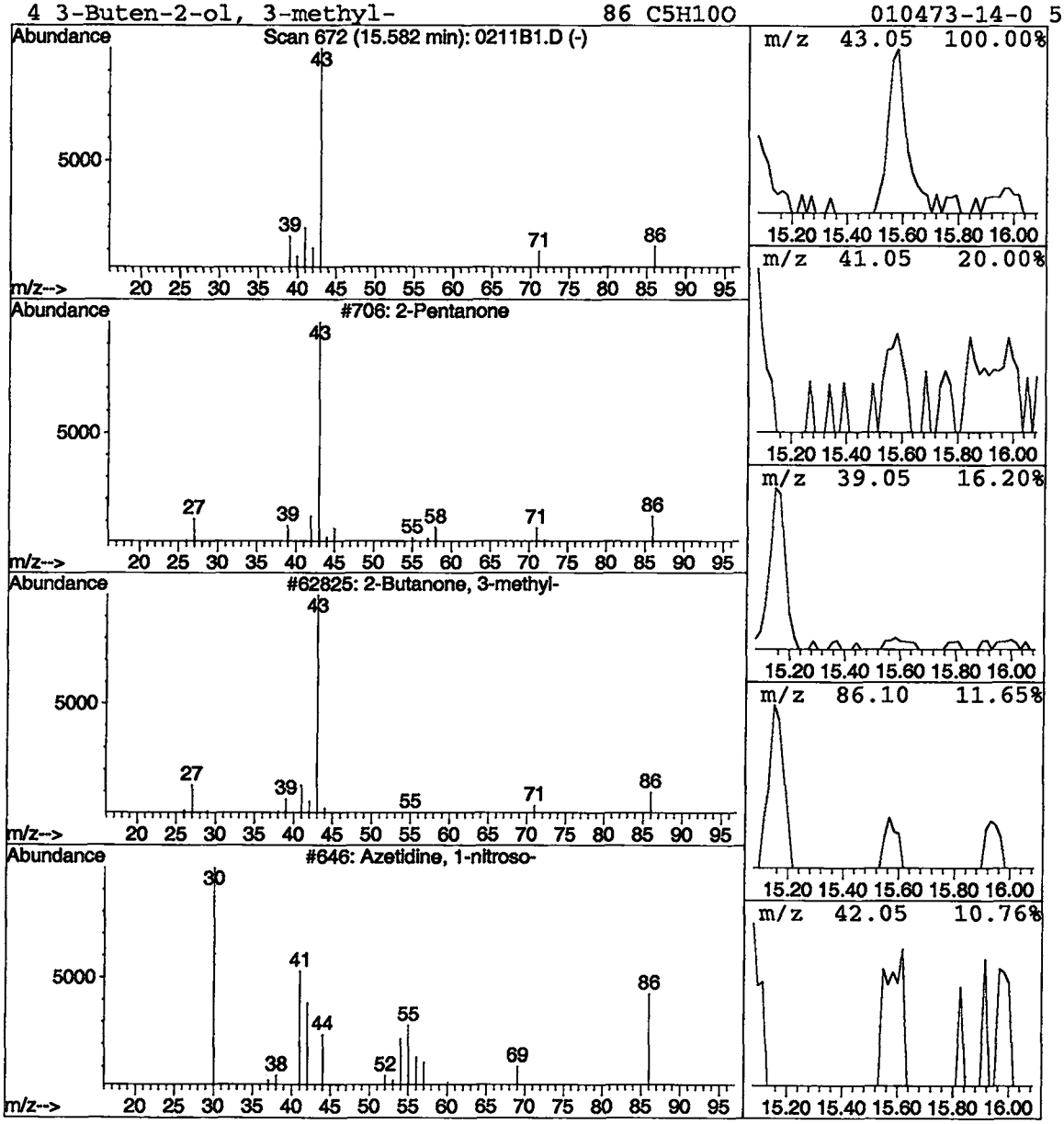
Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2-Pentanone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	0.05 ug/L	63822	1,4-DIFLUOROBENZENE	15.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone	86	C5H10O	000107-87-9	9
2	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	9
3	Azetidine, 1-nitroso-	86	C3H6N2O	015216-10-1	5
4	3-Buten-2-ol, 3-methyl-	86	C5H10O	010473-14-0	5



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB11\0211B1.D Vial: 1
Acq On : 11 Feb 2002 9:28 am Operator: 201-wb
Sample : lab blank Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

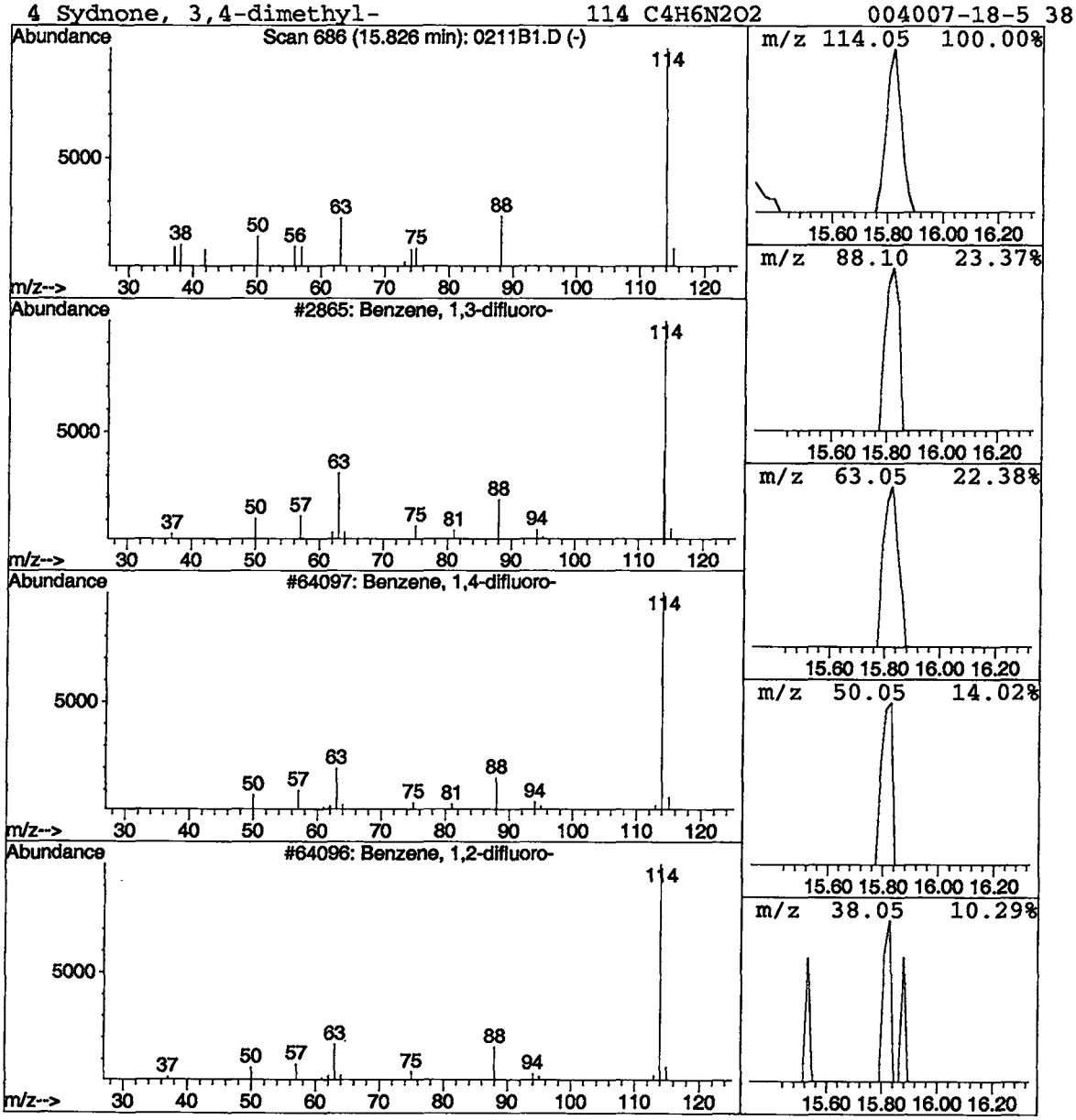
Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Benzene, 1,3-difluoro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.83	0.05 ug/L	69588	1,4-DIFLUOROBENZENE	15.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-difluoro-	114	C6H4F2	000372-18-9	47
2	Benzene, 1,4-difluoro-	114	C6H4F2	000540-36-3	47
3	Benzene, 1,2-difluoro-	114	C6H4F2	000367-11-3	47
4	Sydnone, 3,4-dimethyl-	114	C4H6N2O2	004007-18-5	38



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB11\0211B1.D Vial: 1
Acq On : 11 Feb 2002 9:28 am Operator: 201-wb
Sample : lab blank Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

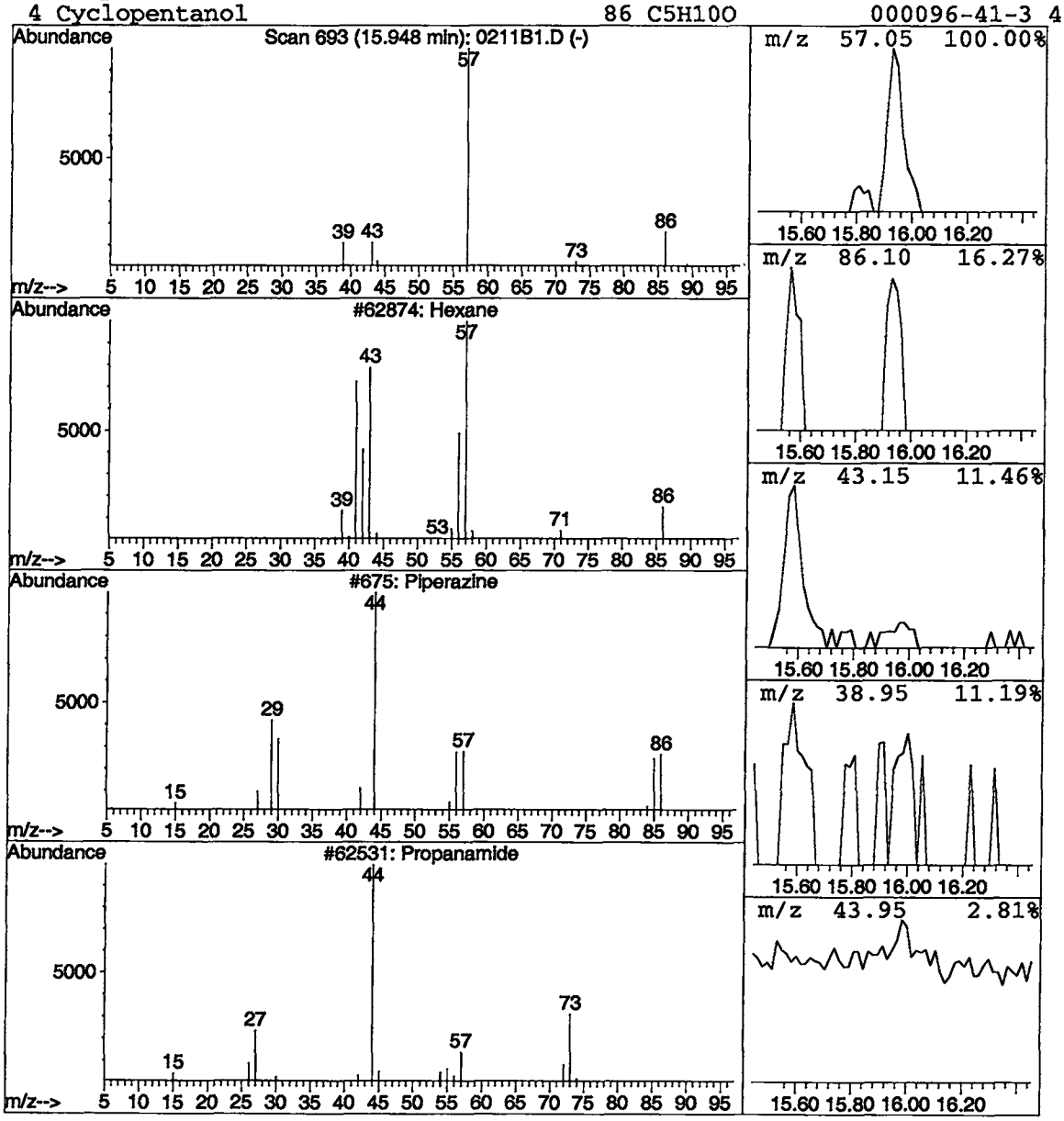
Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Hexane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	0.04 ug/L	57021	1,4-DIFLUOROBENZENE	15.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	5
2	Piperazine	86	C4H10N2	000110-85-0	4
3	Propanamide	73	C3H7NO	000079-05-0	4
4	Cyclopentanol	86	C5H10O	000096-41-3	4



Data File : C:\HPCHEM\1\DATA\02FEB11\0211B1.D Vial: 1
Acq On : 11 Feb 2002 9:28 am Operator: 201-wb
Sample : lab blank Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

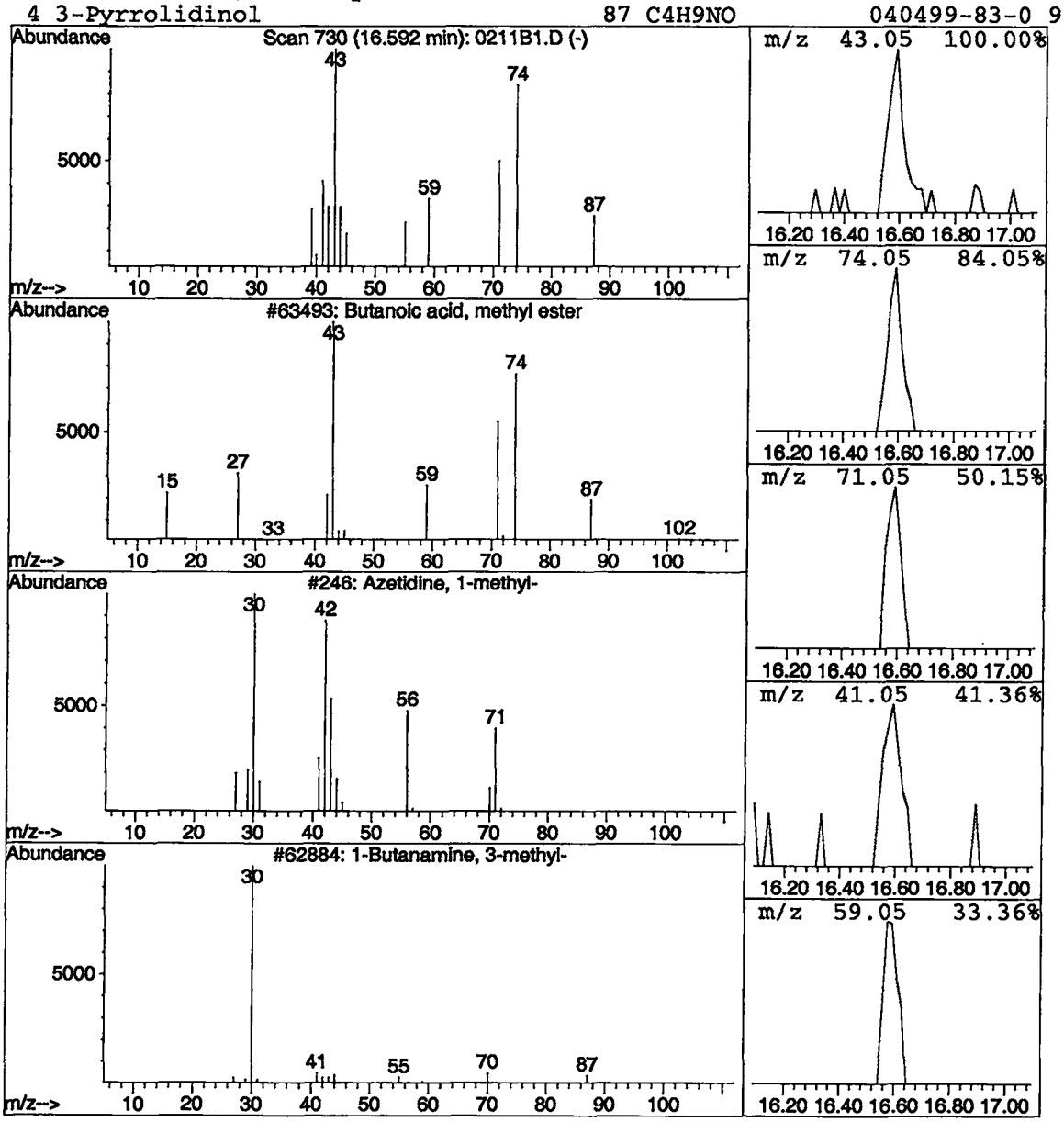
Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 4 Butanoic acid, methyl ester Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	0.07 ug/L	99847	1,4-DIFLUOROBENZENE	15.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	64
2	Azetidine, 1-methyl-	71	C4H9N	004923-79-9	12
3	1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	9
4	3-Pyrrolidinol	87	C4H9NO	040499-83-0	9



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/15/2002 Time: 14:11:32

Sample: AE02714
Analysis: $C1524 Volatile Organic Compounds-Cal 1
Units: ug
Started: 2/11/02 00:01 Ended: 2/11/02 00:01 Analyst: BH
Result source: a:\0211c10.rr
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Surr_1,2-DICHLOROETHANE-		5.0		.5
2	Surr_4-BROMOFLUOROBENZE		5.0		.5
3	Dichlorodifluoromethane		10		.5
4	Chloromethane		10		.5
5	Vinyl chloride		10		.5
6	Bromomethane		10		.5
7	Chloroethane		10		.5
8	Trichlorofluoromethane		11		.5
9	1,1-Dichloroethene		12		.5
10	Methylene Chloride		11		.5
11	Methyl tert-butyl ether		10		1.0
12	trans-1,2-dichloroethene		11		.5
13	1,1-dichloroethane		10		.5
14	2-butanone (MEK)		13		2.0
15	2,2-dichloropropane		10		.5
16	cis-1,2-dichloroethene		10		.5
17	Chloroform		10		.5
18	Bromochloromethane		10		.5
19	1,2-dichloroethane		10		.5
20	Surr_TOLUENE-D8		5.0		.5
21	1,1,1- trichloroethane		10		.5
22	1,1-dichloropropene		11		.5
23	Carbon tetrachloride		10		.5
24	Benzene		10		.5
25	Trichloroethene		11		.5
26	1,2-dichloropropane		10		.5
27	Dibromomethane		10		.5
28	Bromodichloromethane		10		.5
29	Methyl iso-butyl ketone		10		1.0
30	cis-1,3-dichloropropene		10		.5
31	Toluene		10		.5
32	trans-1,3-dichloropropene		10		.5
33	1,1,2-trichloroethane		10		.5
34	Tetrachloroethene		10		.5
35	1,3-dichloropropane		10		.5
36	Dibromochloromethane		10		2.0
37	Chlorobenzene		10		.5
38	1,1,1,2-tetrachloroethane		10		.5
39	Ethylbenzene		11		.5
40	P & M-xylene		21		.5
41	O-xylene		10		.5
42	Styrene		11		.5
43	1,1,2,2-tetrachloroethane		10		.5
44	Bromoform		10		2.0
45	Isopropylbenzene		11		.5
46	1,2,3-trichloropropane		10		.5
47	N-propylbenzene		11		.5
48	Bromobenzene		10		.5

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/15/2002 Time: 14:11:32

Sample: AE02714
Analysis: $C1524 Volatile Organic Compounds-Cal 1
Units: ug
Started: 2/11/02 00:01 Ended: 2/11/02 00:01 Analyst: BH
Result source: a:\0211c10.rr
Page: 2

	Component Name	Vial	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		11		.5
50	2-chlorotoluene		11		.5
51	4-chlorotoluene		10		.5
52	TERT-butylbenzene		11		.5
53	1,2,4-trimethylbenzene		11		.5
54	SEC-butylbenzene		11		.5
55	P-isopropyltoluene		11		.5
56	1,3-dichlorobenzene		10		.5
57	1,4-dichlorobenzene		10		.5
58	N-butylbenzene		11		.5
59	1,2-dichlorobenzene		10		.5
60	1,2,4-trichlorobenzene		10		.5
61	Hexachlobutadiene		10		.5
62	Naphthalene		10		.5
63	1,2,3-trichlorobenzene		10		.5
64	Nitrobenzene		190		5.0

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB11\0211C10.D Vial: 4
Acq On : 11 Feb 2002 1:07 pm Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 11 16:48 2002 Quant Results File: HP021102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Feb 11 16:41:09 2002
Response via : Initial Calibration
DataAcq Meth : HP020502

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.13	114	2523611	5.00	ug/L	0.02
24) CHLOROBENZENE-D5	21.78	117	2509493	5.00	ug/L	0.02
52) 1,4-DICHLOROBENZENE-D4	26.97	152	1207951	5.00	ug/L	0.02
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.36	65	955638	4.97	ug/L	0.02
Spiked Amount 5.000			Recovery =	99.40%		
3) 4-BROMOFLUOROBENZENE	24.37	174	942070	4.97	ug/L	0.02
Spiked Amount 5.000			Recovery =	99.40%		
25) TOLUENE-D8	18.49	98	3095681	4.97	ug/L	0.02
Spiked Amount 5.000			Recovery =	99.40%		
Target Compounds						Qvalue
4) DICHLORODIFLUOROMETHANE	4.88	85	996107	10.34	ug/L	98
5) CHLOROMETHANE	5.48	50	781102	10.12	ug/L	100
6) VINYL CHLORIDE	5.60	62	319326	9.96	ug/L	99
7) BROMOMETHANE	6.61	94	471056	10.47	ug/L	95
8) CHLOROETHANE	6.74	64	439530	10.11	ug/L	95
9) TRICHLOROFLUOROMETHANE	7.30	101	914352	10.64	ug/L	100
10) Isopropyl Alcohol	7.91	45	1669690	1230.11	ug/L	93
11) 1,1,2-Trichloro-1,2,2-trif	8.19	101	671600	10.46	ug/L	95
12) ACETONE	8.27	43	209164	12.06	ug/L	91
13) 1,1-DICHLOROETHENE	8.62	61	1461167	12.06	ug/L	98
14) METHYLENE CHLORIDE	9.63	49	1559545	10.74	ug/L	97
15) METHYL TERT BUTYL ETHER	9.94	73	1619092	10.06	ug/L	96
16) TRANS-1,2-DICHLOROETHENE	10.29	61	1637788	10.56	ug/L	94
17) 1,1-DICHLOROETHANE	11.20	63	1895288	10.34	ug/L	98
18) 2-BUTANONE (MEK)	12.03	43	525611	13.29	ug/L	99
19) 2,2-DICHLOROPROPANE	12.42	77	1522363	10.35	ug/L	99
20) CIS-1,2-DICHLOROETHENE	12.50	96	1064698	10.18	ug/L	99
21) CHLOROFORM	12.85	83	1877223	10.19	ug/L	100
22) BROMOCHLOROMETHANE	13.22	49	900429	10.29	ug/L	93
23) 1,2-DICHLOROETHANE	14.57	62	1251923	10.10	ug/L	98
26) 1,1,1-TRICHLOROETHANE	13.74	97	1440974	10.30	ug/L	97
27) 1,1-DICHLOROPROPENE	14.05	75	1474202	10.56	ug/L	98
28) CARBON TETRACHLORIDE	14.31	117	1183411	10.40	ug/L	98
29) BENZENE	14.66	78	3751859	10.35	ug/L	99
30) TRICHLOROETHENE	15.93	95	1141115	10.53	ug/L	98
31) 1,2-DICHLOROPROPANE	16.30	63	1054902	10.30	ug/L	95
32) DIBROMOMETHANE	16.96	174	492678	10.13	ug/L	94
33) BROMODICHLOROMETHANE	16.80	83	1344643	10.26	ug/L	100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB11\0211C10.D Vial: 4
Acq On : 11 Feb 2002 1:07 pm Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 11 16:48 2002 Quant Results File: HP021102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Feb 11 16:41:09 2002
Response via : Initial Calibration
DataAcq Meth : HP020502

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
34)	2-CHLOROETHYL VINYL ETHER	17.29	63	389873	10.29 ug/L	97
35)	METHYL ISO-BUTYL KETONE	17.38	58	192602	10.27 ug/L	98
36)	CIS-1,3-DICHLOROPROPENE	17.90	75	1499147	10.37 ug/L	96
37)	TOLUENE	18.66	91	3944968	10.41 ug/L	100
38)	TRANS-1,3-DICHLOROPROPENE	18.94	75	1093523	10.32 ug/L	99
39)	1,1,2-TRICHLOROETHANE	19.33	97	625188	10.18 ug/L	99
40)	TETRACHLOROETHENE	20.11	166	1075443	10.43 ug/L	97
41)	1,3-DICHLOROPROPANE	19.85	76	1227432	10.21 ug/L	100
42)	DIBROMOCHLOROMETHANE	20.54	129	758997	10.28 ug/L	98
43)	1,2-DIBROMOETHANE	21.00	107	664792	9.99 ug/L	93
44)	CHLOROBENZENE	21.87	112	2516672	10.41 ug/L	99
45)	1,1,1,2-TETRACHLOROETHANE	21.92	131	845680	10.44 ug/L	98
46)	2-HEXANONE	19.22	43	362784	9.63 ug/L	98
47)	ETHYLBENZENE	21.92	91	4636641	10.62 ug/L	97
48)	P & M-XYLENE	22.08	106	3144041	21.11 ug/L	96
49)	O-XYLENE	23.05	91	3644209	10.50 ug/L	96
50)	STYRENE	23.10	104	2658779	10.59 ug/L	99
51)	1,1,2,2-TETRACHLOROETHANE	24.13	83	687585	10.13 ug/L	97
53)	BROMOFORM	23.96	173	385454	10.24 ug/L	98
54)	ISOPROPYLBENZENE	23.76	105	4113999	10.51 ug/L	99
55)	1,2,3-TRICHLOROPROPANE	24.46	110	194946	10.12 ug/L	99
56)	N-PROPYLBENZENE	24.63	91	5442087	10.56 ug/L	100
57)	BROMOBENZENE	24.88	156	1009290	10.28 ug/L	95
58)	1,3,5-TRIMETHYLBENZENE	24.95	105	3551933	10.62 ug/L	99
59)	2-CHLOROTOLUENE	25.12	91	3538466	10.63 ug/L	98
60)	4-CHLOROTOLUENE	25.19	91	3039745	10.22 ug/L	98
61)	TERT-BUTYLBENZENE	25.75	119	3195957	10.61 ug/L	97
62)	1,2,4-TRIMETHYLBENZENE	25.83	105	3701379	10.55 ug/L	98
63)	SEC-BUTYLBENZENE	26.20	105	4568678	10.64 ug/L	99
64)	P-ISOPROPYLTOLUENE	26.46	119	3480100	10.68 ug/L	98
65)	1,3-DICHLOROBENZENE	26.83	146	1904978	10.31 ug/L	97
66)	1,4-DICHLOROBENZENE	27.04	146	1925654	10.22 ug/L	99
67)	N-BUTYLBENZENE	27.35	91	3731926	10.63 ug/L	99
68)	1,2-DICHLOROBENZENE	27.89	146	1644013	10.31 ug/L	96
69)	1,2-DIBROMO-3-CHLOROPROPAN	29.68	157	94364	10.79 ug/L	88
70)	1,2,4-TRICHLOROBENZENE	31.98	180	1059904	10.37 ug/L	95
71)	HEXACHLOROBUTADIENE	32.29	225	516913	10.39 ug/L	99
72)	NAPHTHALENE	32.81	128	1431246	10.44 ug/L	99
73)	1,2,3-TRICHLOROBENZENE	33.53	180	834327	10.20 ug/L	97
74)	NITROBENZENE	29.89	77	339062	194.11 ug/L	98

(#) = qualifier out of range (m) = manual integration

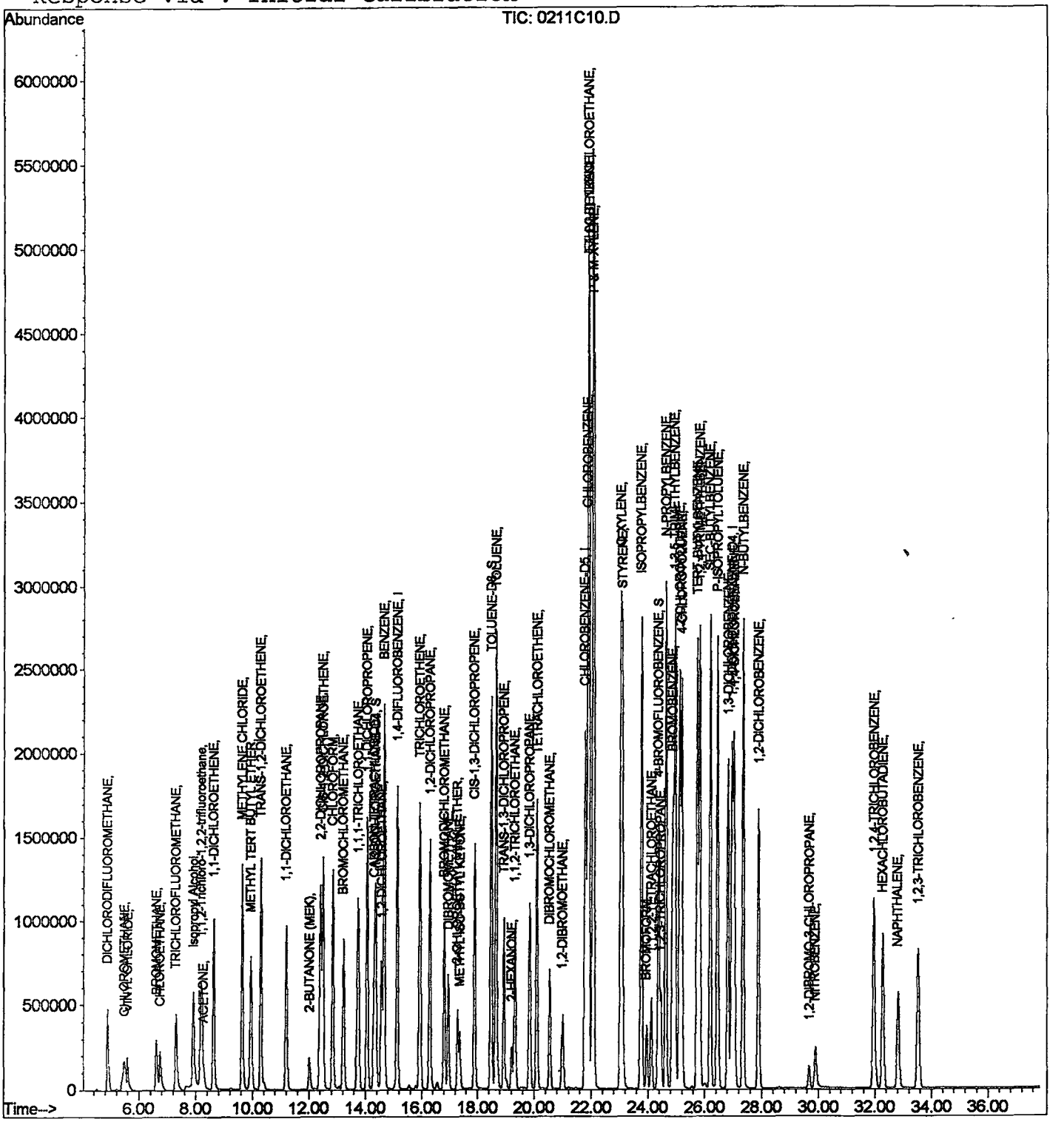
Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB11\0211C10.D
Acq On : 11 Feb 2002 1:07 pm
Sample : cal 10
Misc :
MS Integration Params: LSCINT.P
Quant Time: Feb 11 16:48 2002

Vial: 4
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: HP021102.RES

Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Feb 11 15:54:13 2002
Response via : Initial Calibration



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/15/2002 Time: 14:13:04

Sample: AE02714
Analysis: $RE524 Reference recovery for 524
Units: ug
Started: 2/11/02 00:04 Ended: 2/11/02 00:04 Analyst: BH
Result source: a:\0211ref5.rr
Page: 1

	Component Name	Vio	Result	Qualifier	MDL
1	1,2-DICHLOROETHANE-D4		5.0		
2	4-BROMOFLUOROBENZENE		5.0		
3	DICHLORODIFLUOROMETHAN		3.5		.5
4	CHLOROMETHANE		4.7		.5
5	VINYL CHLORIDE		5.6		.5
6	BROMOMETHANE		5.3		.5
7	CHLOROETHANE		5.1		.5
8	TRICHLOROFLUOROMETHAN		5.4		.5
9	ACETONE		6.4		.5
10	1,1-DICHLOROETHENE		3.7		.5
11	METHYLENE CHLORIDE		5.4		.5
12	METHYL TERT BUTYL ETHER		4.4		1
13	TRANS-1,2-DICHLOROETHEN		4.6		.5
14	1,1-DICHLOROETHANE		4.9		.5
15	2-BUTANONE (MEK)		8.3		.5
16	2,2-DICHLOROPROPANE		5.1		.5
17	CIS-1,2-DICHLOROETHENE		5.1		.5
18	CHLOROFORM		5.3		.5
19	BROMOCHLOROMETHANE		5.2		.5
20	1,2-DICHLOROETHANE		5.4		.5
21	TOLUENE-D8		5.0		
22	1,1,1-TRICHLOROETHANE		5.1		.5
23	1,1-DICHLOROPROPENE		5.4		.5
24	CARBON TETRACHLORIDE		5.0		.5
25	BENZENE		5.3		.5
26	TRICHLOROETHENE		5.5		.5
27	1,2-DICHLOROPROPANE		5.6		.5
28	DIBROMOMETHANE		5.4		.5
29	BROMODICHLOROMETHANE		5.6		.5
30	2-CHLOROETHYL VINYL ETHE		5.2		.5
31	METHYL ISO-BUTYL KETONE		5.2		1
32	CIS-1,3-DICHLOROPROPENE		5.6		.5
33	TOLUENE		5.7		.5
34	TRANS-1,3-DICHLOROPROPE		5.9		.5
35	1,1,2-TRICHLOROETHANE		5.7		.5
36	TETRACHLOROETHENE		5.5		.5
37	1,3-DICHLOROPROPANE		5.7		.5
38	DIBROMOCHLOROMETHANE		5.5		2
39	1,2-DIBROMOETHANE		5.5		.5
40	CHLOROBENZENE		5.8		.5
41	1,1,1,2-TETRACHLOROETHA		5.8		.5
42	2-HEXANONE		5.6		.5
43	ETHYLBENZENE		5.9		.5
44	P & M-XYLENE		12		.5
45	O-XYLENE		5.7		.5
46	STYRENE		5.7		.5
47	1,1,2,2-TETRACHLOROETHA		5.7		.5
48	BROMOFORM		5.4		2

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/15/2002 Time: 14:13:04

Sample: AE02714
Analysis: $RE524 Reference recovery for 524
Units: ug
Started: 2/11/02 00:04 Ended: 2/11/02 00:04 Analyst: BH
Result source: a:\0211ref5.rr
Page: 2

	Component Name	Vial	Result	Qualifier	MDL
49	ISOPROPYLBENZENE		5.9		.5
50	1,2,3-TRICHLOROPROPANE		6.0		.5
51	N-PROPYLBENZENE		5.6		.5
52	BROMOBENZENE		6.0		.5
53	1,3,5-TRIMETHYLBENZENE		5.9		.5
54	2-CHLOROTOLUENE		5.7		.5
55	4-CHLOROTOLUENE		5.8		.5
56	TERT-BUTYLBENZENE		5.8		.5
57	1,2,4-TRIMETHYLBENZENE		5.7		.5
58	SEC-BUTYLBENZENE		5.8		.5
59	P-ISOPROPYLTOLUENE		6.0		.5
60	1,3-DICHLOROBENZENE		5.9		.5
61	1,4-DICHLOROBENZENE		5.7		.5
62	N-BUTYLBENZENE		6.0		.5
63	1,2-DICHLOROBENZENE		5.9		.5
64	1,2-DIBROMO-3-CHLOROPRO		5.8		.5
65	1,2,4-TRICHLOROBENZENE		6.0		.5
66	HEXACHLOROBUTADIENE		6.1		.5
67	NAPHTHALENE		5.9		.5
68	1,2,3-TRICHLOROBENZENE		6.0		.5
69	ETHANOL		< MDL		30
70	NITROBENZENE		110		5.0

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/15/2002 Time: 14:12:33

Sample: AE02714
Analysis: $Q_524 Volatile Organic Compounds-Reference Rec
Units: ug
Started: 2/15/02 14:06 Ended: 2/15/02 14:06 Analyst: BH
Result source: calculation
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Surr - 1,2-DICHLOROETHANE-		5		.5
2	Surr - 4-BROMOFLUOROBENZ		5		.5
3	Dichlorodifluoromethane		70		.5
4	Chloromethane		94		.5
5	Vinyl chloride		112		.5
6	Bromomethane		106		.5
7	Chloroethane		102		.5
8	Trichlorofluoromethane		108		.5
9	1,1-Dichloroethene		74		.5
10	Methylene Chloride		108		.5
11	Methyl tert butyl ether		88		1.0
12	trans-1,2-dichloroethene		92		.5
13	1,1-dichloroethane		98		.5
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
15	2,2-dichloropropane		102		.5
16	cis-1,2-dichloroethene		102		.5
17	Chloroform		106		.5
18	Bromochloromethane		104		.5
19	1,2-dichloroethane		108		.5
20	Surr - TOLUENE-D8		5		.5
21	1,1,1-trichloroethane		102		.5
22	1,1-dichloropropene		108		.5
23	Carbon tetrachloride		100		.5
24	Benzene		106		.5
25	Trichloroethene		110		.5
26	1,2-dichloropropane		112		.5
27	Dibromomethane		108		.5
28	Bromodichloromethane		112		.5
29	Methyl iso-butyl ketone		104		1.0
30	cis-1,3-dichloropropene		112		.5
31	Toluene		114		.5
32	trans-1,3-dichloropropene		118		.5
33	1,1,2-trichloroethane		114		.5
34	Tetrachloroethene		110		.5
35	1,3-dichloropropane		114		.5
36	Dibromochloromethane		110		2.0
37	Chlorobenzene		116		.5
38	1,1,1,2-tetrachloroethane		116		.5
39	Ethylbenzene		118		.5
40	P & M-xylene		120		.5
41	O-xylene		114		.5
42	Styrene		114		.5
43	1,1,2,2-tetrachloroethane		114		.5
44	Bromoform		108		2.0
45	Isopropylbenzene		118		.5
46	1,2,3-trichloropropane		120		.5
47	N-propylbenzene		112		.5
48	Bromobenzene		120		.5

because of lab contamination

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/15/2002 Time: 14:12:33

Sample: AE02714
Analysis: $Q_524 Volatile Organic Compounds-Reference Rec
Units: ug
Started: 2/15/02 14:06 Ended: 2/15/02 14:06 Analyst: BH
Result source: calculation
Page: 2

	Component Name	Viol	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		118		.5
50	2-chlorotoluene		114		.5
51	4-chlorotoluene		116		.5
52	TERT-butylbenzene		116		.5
53	1,2,4-trimethylbenzene		114		.5
54	SEC-butylbenzene		116		.5
55	P-isopropyltoluene		120		.5
56	1,3-dichlorobenzene		118		.5
57	1,4-dichlorobenzene		114		.5
58	N-butylbenzene		120		.5
59	1,2-dichlorobenzene		118		.5
60	1,2,4-trichlorobenzene		120		.5
61	Hexachlorobutadiene		122		.5
62	Naphthalene		118		.5
63	1,2,3-trichlorobenzene		120		.5
64	Ethanol				
65	Nitrobenzene		110		5.0

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB11\0211REF5.D Vial: 8
Acq On : 11 Feb 2002 4:55 pm Operator: 201-wb
Sample : reference 5.0 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 11 17:41 2002 Quant Results File: HP021102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Feb 11 16:41:09 2002
Response via : Initial Calibration
DataAcq Meth : HP020502

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.10	114	2481788	5.00	ug/L	-0.02
24) CHLOROBENZENE-D5	21.74	117	2467719	5.00	ug/L	-0.02
52) 1,4-DICHLOROBENZENE-D4	26.93	152	1160776	5.00	ug/L	-0.02
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.33	65	938633	4.97	ug/L	-0.02
Spiked Amount 5.000			Recovery = 99.40%			
3) 4-BROMOFLUOROBENZENE	24.34	174	925931	4.96	ug/L	-0.02
Spiked Amount 5.000			Recovery = 99.20%			
25) TOLUENE-D8	18.45	98	3051522	4.99	ug/L	-0.02
Spiked Amount 5.000			Recovery = 99.80%			
Target Compounds						Qvalue
4) DICHLORODIFLUOROMETHANE	4.85	85	349058	3.48	ug/L	99
5) CHLOROMETHANE	5.47	50	363105	4.66	ug/L	98
6) VINYL CHLORIDE	5.59	62	197229	5.63	ug/L	99
7) BROMOMETHANE	6.58	94	233988	5.29	ug/L	98
8) CHLOROETHANE	6.71	64	225499	5.14	ug/L	95
9) TRICHLOROFLUOROMETHANE	7.28	101	452304	5.35	ug/L	98
12) ACETONE	8.25	43	109178	6.40	ug/L	96
13) 1,1-DICHLOROETHENE	8.60	61	445361	3.74	ug/L	98
14) METHYLENE CHLORIDE	9.61	49	776531	5.44	ug/L	98
15) METHYL TERT BUTYL ETHER	9.91	73	700510	4.42	ug/L	96
16) TRANS-1,2-DICHLOROETHENE	10.27	61	705028	4.62	ug/L	99
17) 1,1-DICHLOROETHANE	11.16	63	887860	4.93	ug/L	97
18) 2-BUTANONE (MEK)	12.00	43	324458	8.34	ug/L	100
19) 2,2-DICHLOROPROPANE	12.38	77	731213	5.05	ug/L	100
20) CIS-1,2-DICHLOROETHENE	12.47	96	523839	5.09	ug/L	97
21) CHLOROFORM	12.82	83	959324	5.30	ug/L	98
22) BROMOCHLOROMETHANE	13.20	49	447844	5.20	ug/L	99
23) 1,2-DICHLOROETHANE	14.54	62	652839	5.36	ug/L	98
26) 1,1,1-TRICHLOROETHANE	13.70	97	696681	5.06	ug/L	97
27) 1,1-DICHLOROPROPENE	14.03	75	740682	5.39	ug/L	99
28) CARBON TETRACHLORIDE	14.29	117	557889	4.99	ug/L	98
29) BENZENE	14.63	78	1897658	5.32	ug/L	99
30) TRICHLOROETHENE	15.90	95	588059	5.52	ug/L	99
31) 1,2-DICHLOROPROPANE	16.26	63	560603	5.56	ug/L	96
32) DIBROMOMETHANE	16.92	174	258550	5.41	ug/L	95
33) BROMODICHLOROMETHANE	16.78	83	720466	5.59	ug/L	99
34) 2-CHLOROETHYL VINYL ETHER	17.25	63	192195	5.16	ug/L	95
35) METHYL ISO-BUTYL KETONE	17.34	58	96616	5.24	ug/L	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB11\0211REF5.D Vial: 8
Acq On : 11 Feb 2002 4:55 pm Operator: 201-wb
Sample : reference 5.0 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 11 17:41 2002 Quant Results File: HP021102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Feb 11 16:41:09 2002
Response via : Initial Calibration
DataAcq Meth : HP020502

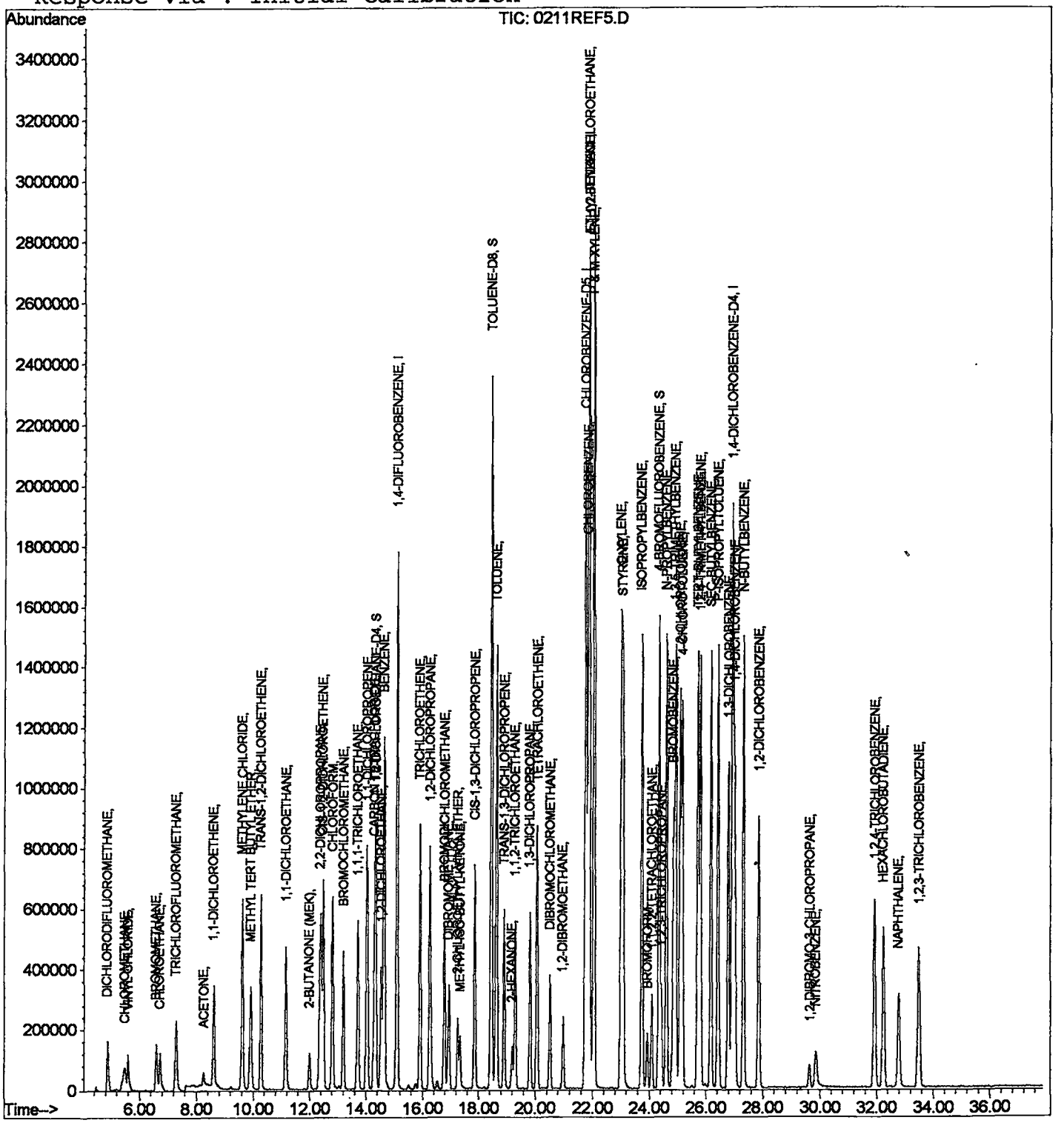
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
36)	CIS-1,3-DICHLOROPROPENE	17.86	75	791225	5.57 ug/L	97
37)	TOLUENE	18.63	91	2114648	5.68 ug/L	99
38)	TRANS-1,3-DICHLOROPROPENE	18.91	75	615705	5.91 ug/L	96
39)	1,1,2-TRICHLOROETHANE	19.29	97	341932	5.66 ug/L	99
40)	TETRACHLOROETHENE	20.07	166	562759	5.55 ug/L	98
41)	1,3-DICHLOROPROPANE	19.81	76	674667	5.70 ug/L	97
42)	DIBROMOCHLOROMETHANE	20.51	129	400785	5.52 ug/L	98
43)	1,2-DIBROMOETHANE	20.96	107	360156	5.50 ug/L	98
44)	CHLOROBENZENE	21.83	112	1379590	5.80 ug/L	98
45)	1,1,1,2-TETRACHLOROETHANE	21.88	131	461851	5.80 ug/L	98
46)	2-HEXANONE	19.19	43	208659	5.63 ug/L	92
47)	ETHYLBENZENE	21.88	91	2546447	5.93 ug/L	98
48)	P & M-XYLENE	22.04	106	1711267	11.68 ug/L	94
49)	O-XYLENE	23.01	91	1960753	5.74 ug/L	97
50)	STYRENE	23.07	104	1411927	5.72 ug/L	97
51)	1,1,2,2-TETRACHLOROETHANE	24.09	83	380397	5.70 ug/L	97
53)	BROMOFORM	23.94	173	195244	5.40 ug/L	97
54)	ISOPROPYLBENZENE	23.73	105	2208286	5.87 ug/L	99
55)	1,2,3-TRICHLOROPROPANE	24.42	110	111131	6.01 ug/L	94
56)	N-PROPYLBENZENE	24.60	91	2795922	5.65 ug/L	99
57)	BROMOBENZENE	24.84	156	564197	5.98 ug/L	95
58)	1,3,5-TRIMETHYLBENZENE	24.91	105	1888187	5.87 ug/L	99
59)	2-CHLOROTOLUENE	25.09	91	1826431	5.71 ug/L	99
60)	4-CHLOROTOLUENE	25.16	91	1671178	5.85 ug/L	99
61)	TERT-BUTYLBENZENE	25.71	119	1692851	5.85 ug/L	97
62)	1,2,4-TRIMETHYLBENZENE	25.80	105	1923607	5.71 ug/L	97
63)	SEC-BUTYLBENZENE	26.17	105	2390548	5.79 ug/L	99
64)	P-ISOPROPYLTOLUENE	26.43	119	1885678	6.02 ug/L	99
65)	1,3-DICHLOROBENZENE	26.79	146	1044308	5.88 ug/L	96
66)	1,4-DICHLOROBENZENE	27.00	146	1038346	5.73 ug/L	99
67)	N-BUTYLBENZENE	27.31	91	2011661	5.96 ug/L	99
68)	1,2-DICHLOROBENZENE	27.85	146	896856	5.86 ug/L	99
69)	1,2-DIBROMO-3-CHLOROPROPAN	29.65	157	48858	5.82 ug/L	93
70)	1,2,4-TRICHLOROBENZENE	31.94	180	587706	5.99 ug/L	95
71)	HEXACHLOROBUTADIENE	32.24	225	293522	6.14 ug/L	98
72)	NAPHTHALENE	32.78	128	771599	5.85 ug/L	99
73)	1,2,3-TRICHLOROBENZENE	33.49	180	475456	6.05 ug/L	100
74)	NITROBENZENE	29.86	77	169436	107.59 ug/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB11\0211REF5.D Vial: 8
Acq On : 11 Feb 2002 4:55 pm Operator: 201-wb
Sample : reference 5.0 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 11 17:41 2002 Quant Results File: HP021102.RES

Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Feb 11 15:54:13 2002
Response via : Initial Calibration



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/15/2002 Time: 14:08:10

Sample: AE02714
Analysis: \$524 Volatile Organic Compounds
Units: ug
Started: 2/11/02 00:07 Ended: 2/11/02 00:07 Analyst: BH
Result source: a:\2714.rr
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Surr - 1,2-DICHLOROETHANE-		5.1		0.5
2	Surr - 4-BROMOFLUOROBENZ		4.7		0.5
3	Dichlorodifluoromethane		< MDL		0.5
4	Chloromethane		< MDL		0.5
5	Vinyl chloride		< MDL		0.5
6	Bromomethane		< MDL		0.5
7	Chloroethane		< MDL		0.5
8	Trichlorofluoromethane		< MDL		0.5
9	1,1-Dichloroethene		< MDL		0.5
10	Methylene Chloride		< MDL		0.5
11	Methyl tert-butyl ether (MTBE)		< MDL		1.0
12	trans-1,2-dichloroethene		< MDL		0.5
13	1,1-dichloroethane		< MDL		0.5
14	2-butanone (MEK)		< MDL		2.0
15	2,2-dichloropropane		< MDL		0.5
16	cis-1,2-dichloroethene		< MDL		0.5
17	*THM-Chloroform		< MDL		0.5
18	Bromochloromethane		< MDL		0.5
19	1,2-dichloroethane		< MDL		0.5
20	Surr - TOLUENE-D8		5.1		0.5
21	1,1,1- trichloroethane		< MDL		0.5
22	1,1-dichloropropene		< MDL		0.5
23	Carbon tetrachloride		< MDL		0.5
24	Benzene		< MDL		0.5
25	Trichloroethene		< MDL		0.5
26	1,2-dichloropropane		< MDL		0.5
27	Dibromomethane		< MDL		0.5
28	*THM-Bromodichloromethane		< MDL		0.5
29	Methyl iso-butyl ketone (MIBK)		< MDL		1.0
30	cis-1,3-dichloropropene		< MDL		0.5
31	Toluene		< MDL		0.5
32	trans-1,3-dichloropropene		< MDL		0.5
33	1,1,2-trichloroethane		< MDL		0.5
34	Tetrachloroethene		< MDL		0.5
35	1,3-dichloropropane		< MDL		0.5
36	*THM-Dibromochloromethane		< MDL		2.0
37	Chlorobenzene		< MDL		0.5
38	1,1,1,2-tetrachloroethane		< MDL		0.5
39	Ethylbenzene		< MDL		0.5
40	P & M-xylene		< MDL		0.5
41	O-xylene		< MDL		0.5
42	Styrene		< MDL		0.5
43	1,1,2,2-tetrachloroethane		< MDL		0.5
44	*THM-Bromoform		< MDL		2.0
45	Isopropylbenzene		< MDL		0.5
46	1,2,3-trichloropropane		< MDL		0.5
47	N-propylbenzene		< MDL		0.5
48	Bromobenzene		< MDL		0.5

REVIEWED BY AV
DATE 2/25/02

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/15/2002 Time: 14:08:10

Sample: AE02714
Analysis: \$524 Volatile Organic Compounds
Units: ug
Started: 2/11/02 00:07 Ended: 2/11/02 00:07 Analyst: BH
Result source: a:\2714.rr
Page: 2

	Component Name	Vial	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		< MDL		0.5
50	2-chlorotoluene		< MDL		0.5
51	4-chlorotoluene		< MDL		0.5
52	TERT-butylbenzene		< MDL		0.5
53	1,2,4-trimethylbenzene		< MDL		0.5
54	SEC-butylbenzene		< MDL		0.5
55	P-isopropyltoluene		< MDL		0.5
56	1,3-dichlorobenzene		< MDL		0.5
57	1,4-dichlorobenzene		< MDL		0.5
58	N-butylbenzene		< MDL		0.5
59	1,2-dichlorobenzene		< MDL		0.5
60	1,2,4-trichlorobenzene		< MDL		0.5
61	Hexachlorobutadiene		< MDL		0.5
62	Naphthalene		< MDL		0.5
63	1,2,3-trichlorobenzene		< MDL		0.5

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02feb11\2714.D Vial: 11
Acq On : 11 Feb 2002 7:48 pm Operator: 201-wb
Sample : nyc 524 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 11 20:26 2002 Quant Results File: HP021102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Feb 11 16:41:09 2002
Response via : Initial Calibration
DataAcq Meth : HP021102

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.09	114	2242519	5.00	ug/L	-0.02
24) CHLOROBENZENE-D5	21.74	117	2211880	5.00	ug/L	-0.02
52) 1,4-DICHLOROBENZENE-D4	26.91	152	1000585	5.00	ug/L	-0.04
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.33	65	864639	5.06	ug/L	-0.02
Spiked Amount 5.000			Recovery = 101.20%			
3) 4-BROMOFLUOROBENZENE	24.32	174	799568	4.74	ug/L	-0.04
Spiked Amount 5.000			Recovery = 94.80%			
25) TOLUENE-D8	18.45	98	2795733	5.10	ug/L	-0.02
Spiked Amount 5.000			Recovery = 102.00%			
Target Compounds						Qvalue
12) ACETONE	8.25	43	71112	4.61	ug/L	86
14) METHYLENE CHLORIDE	9.61	49	88213	~~0.68~~	~~ug/L~~	98
15) METHYL TERT BUTYL ETHER	9.93	73	13186	0.09	ug/L	84
18) 2-BUTANONE (MEK)	12.00	43	131823	~~3.75~~	ug/L	99
46) 2-HEXANONE	19.19	43	2433	0.07	ug/L	30

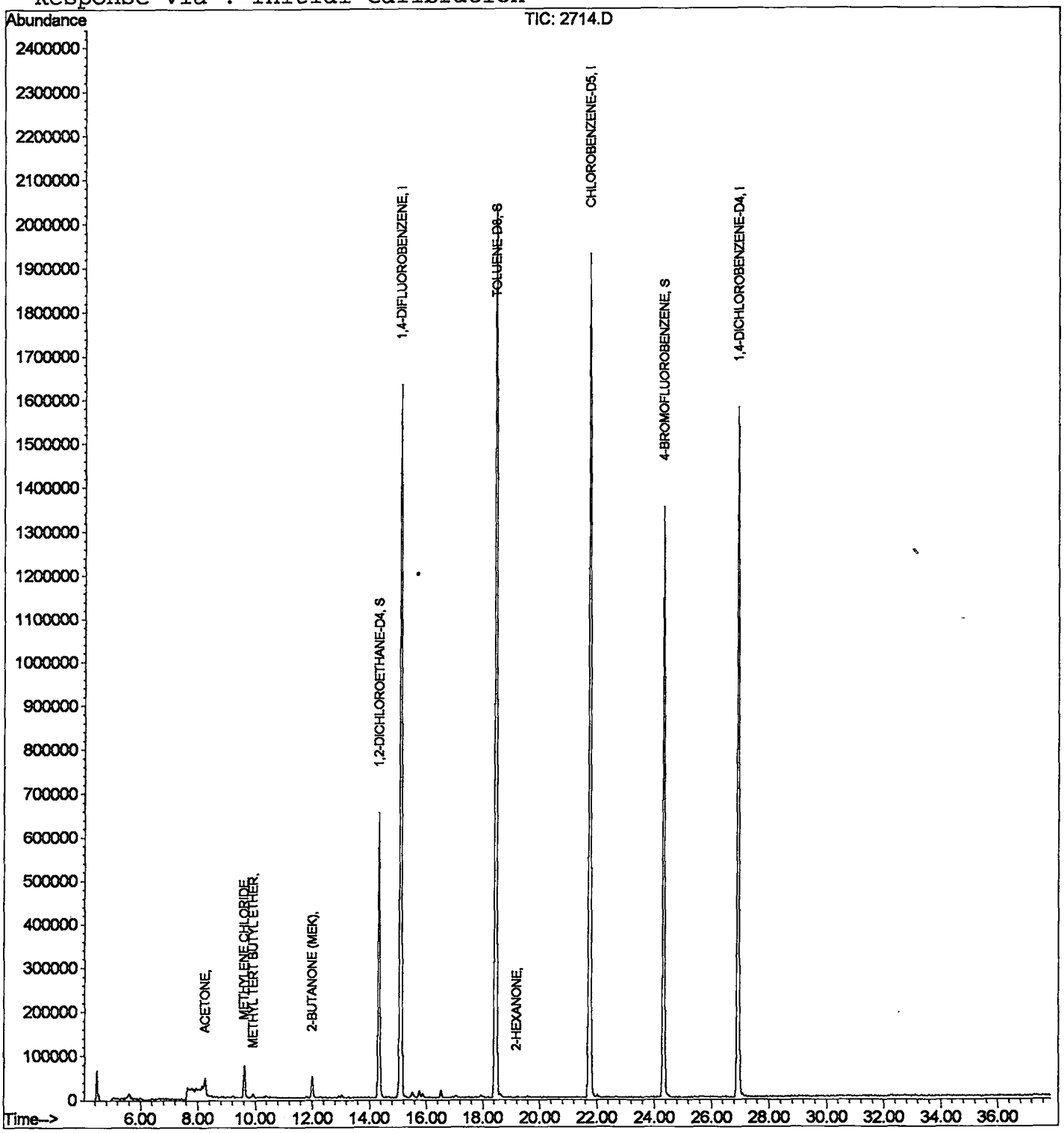
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02feb11\2714.D
Acq On : 11 Feb 2002 7:48 pm
Sample : nyc 524
Misc :
MS Integration Params: LSCINT.P
Quant Time: Feb 11 20:26 2002

Vial: 11
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP021102.RES

Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Feb 11 15:54:13 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB11\2714.D Vial: 11
Acq On : 11 Feb 2002 7:48 pm Operator: 201-wb
Sample : nyc 524 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

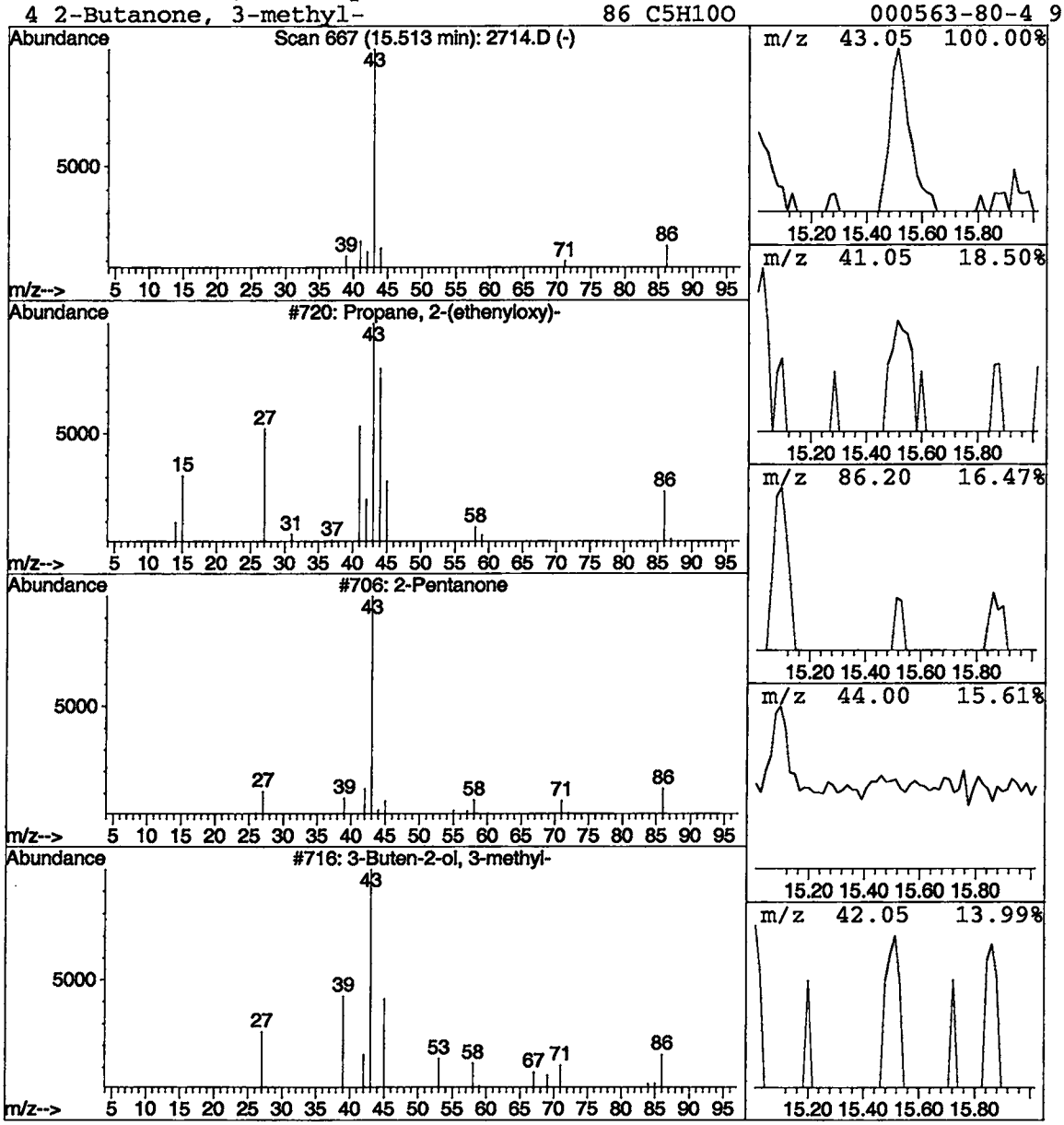
Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Propane, 2-(ethenyloxy)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	0.06 ug/L	70780	1,4-DIFLUOROBENZENE	15.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2-(ethenyloxy)-	86	C5H10O	000926-65-8	56
2	2-Pentanone	86	C5H10O	000107-87-9	37
3	3-Buten-2-ol, 3-methyl-	86	C5H10O	010473-14-0	9
4	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB11\2714.D Vial: 11
Acq On : 11 Feb 2002 7:48 pm Operator: 201-wb
Sample : nyc 524 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

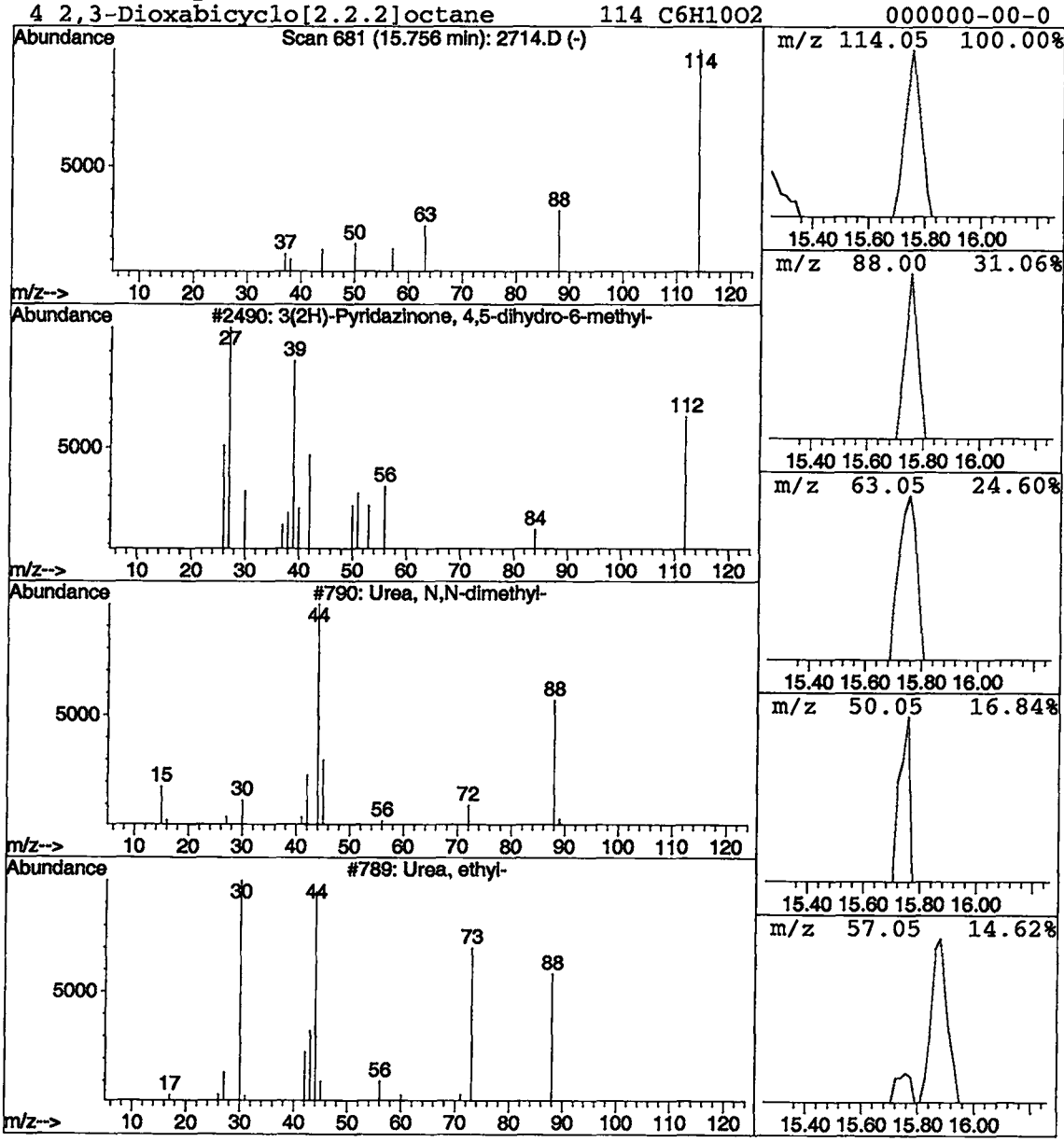
Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 3(2H)-Pyridazinone, 4,5-dihydr Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	0.05 ug/L	66147	1,4-DIFLUOROBENZENE	15.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3(2H)-Pyridazinone, 4,5-dihydro-6-m	112	C5H8N2O	005157-08-4	9
2	Urea, N,N-dimethyl-	88	C3H8N2O	000598-94-7	5
3	Urea, ethyl-	88	C3H8N2O	000625-52-5	5
4	2,3-Dioxabicyclo[2.2.2]octane	114	C6H10O2	000000-00-0	4



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB11\2714.D Vial: 11
Acq On : 11 Feb 2002 7:48 pm Operator: 201-wb
Sample : nyc 524 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

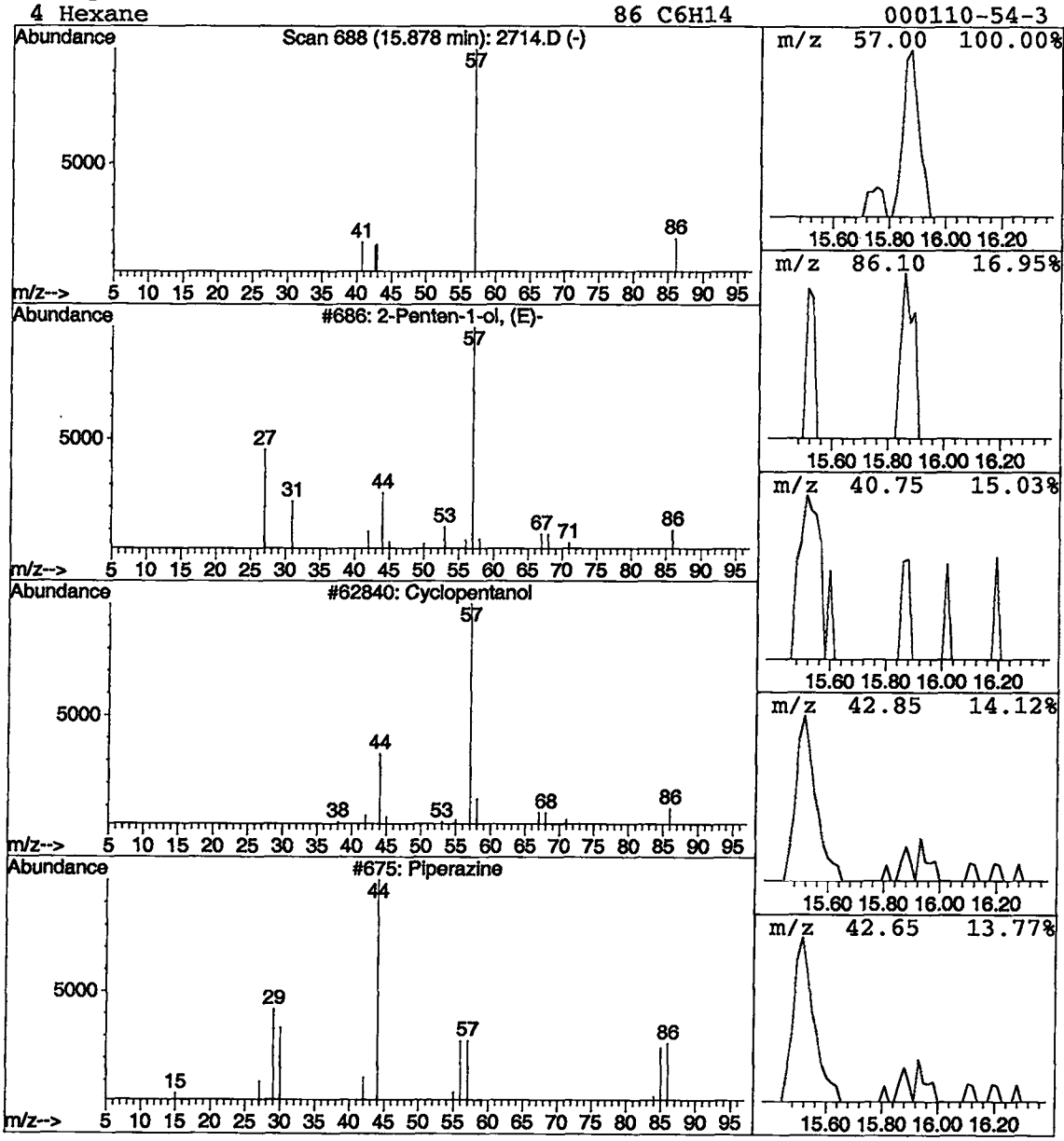
Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2-Penten-1-ol, (E)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	0.03 ug/L	33301	1,4-DIFLUOROBENZENE	15.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Penten-1-ol, (E)-	86	C5H10O	001576-96-1	5
2	Cyclopentanol	86	C5H10O	000096-41-3	5
3	Piperazine	86	C4H10N2	000110-85-0	4
4	Hexane	86	C6H14	000110-54-3	4



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB11\2714.D Vial: 11
Acq On : 11 Feb 2002 7:48 pm Operator: 201-wb
Sample : nyc 524 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

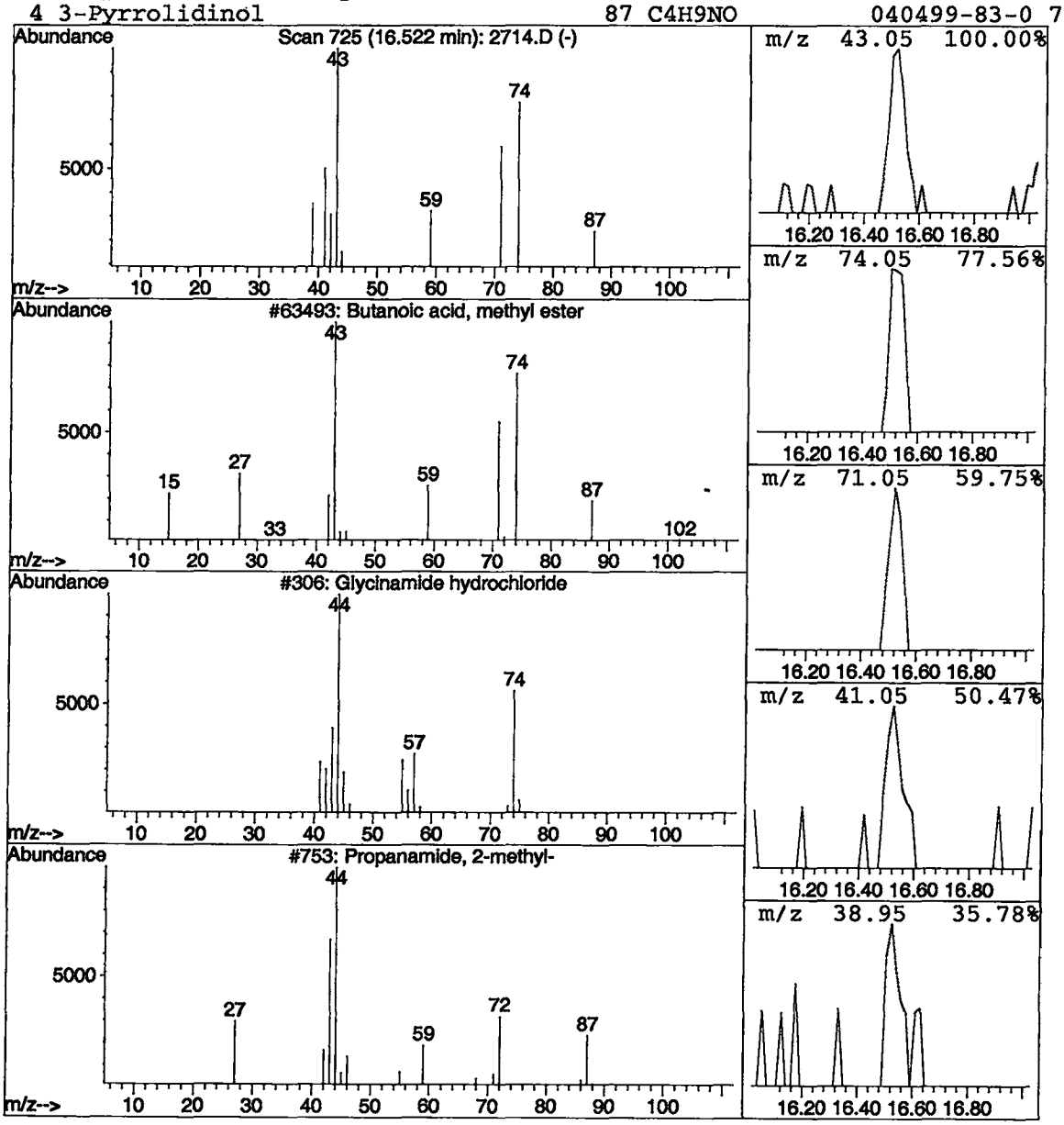
Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Butanoic acid, methyl ester Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	0.06 ug/L	75791	1,4-DIFLUOROBENZENE	15.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	42
2	Glycinamide hydrochloride	74	C2H6N2O	001668-10-6	9
3	Propanamide, 2-methyl-	87	C4H9NO	000563-83-7	7
4	3-Pyrrolidinol	87	C4H9NO	040499-83-0	7



User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 02/25/2002 Time: 16:57:25

Sample: AE02714
Analysis: SD_524 Volatile Organic Compounds-Duplicate
Units: ug
Started: 02/15/02 16:55 Ended: 02/25/02 16:55 Analyst: BH
Result source: manual entry
Page: 1

	Component Name	Vlol	Result	MDL
1	Surr - 1,2-DICHLOROETHANE-D		4.62	.5
2	Surr - 4-BROMOFLUOROBENZE		4.58	.5
3	Dichlorodifluoromethane		< MDL	.5
4	Chloromethane		< MDL	.5
5	Vinyl chloride		< MDL	.5
6	Bromomethane		< MDL	.5
7	Chloroethane		< MDL	.5
8	Trichlorofluoromethane		< MDL	.5
9	1,1-Dichloroethene		< MDL	.5
10	Methylene Chloride		< MDL	.5
11	Methyl tert-butyl ether (MTB		< MDL	1.0
12	trans-1,2-dichloroethene		< MDL	.5
13	1,1-dichloroethane		< MDL	.5
14	2-butanone (MEK)		< MDL	2.0
15	2,2-dichloropropane		< MDL	.5
16	cis-1,2-dichloroethene		< MDL	.5
17	*THM-Chloroform		< MDL	.5
18	Bromochloromethane		< MDL	.5
19	1,2-dichloroethane		< MDL	.5
20	Surr - TOLUENE-D8		5.22	.5
21	1,1,1- trichloroethane		< MDL	.5
22	1,1-dichloropropene		< MDL	.5
23	Carbon tetrachloride		< MDL	.5
24	Benzene		< MDL	.5
25	Trichloroethene		< MDL	.5
26	1,2-dichloropropane		< MDL	.5
27	Dibromomethane		< MDL	.5
28	*THM-Bromodichloromethar		< MDL	.5
29	Methyl iso-butyl ketone (MIB		< MDL	1.0
30	cis-1,3-dichloropropene		< MDL	.5
31	Toluene		< MDL	.5
32	trans-1,3-dichloropropene		< MDL	.5
33	1,1,2-trichloroethane		< MDL	.5
34	Tetrachloroethene		< MDL	.5
35	1,3-dichloropropane		< MDL	.5
36	*THM-Dibromochloromethar		< MDL	2.0
37	Chlorobenzene		< MDL	.5
38	1,1,1,2-tetrachloroethane		< MDL	.5
39	Ethylbenzene		< MDL	.5
40	P & M-xylene		< MDL	.5
41	O-xylene		< MDL	.5
42	Styrene		< MDL	.5
43	1,1,2,2-tetrachloroethane		< MDL	.5
44	*THM-Bromoform		< MDL	2.0
45	Isopropylbenzene		< MDL	.5
46	1,2,3-trichloropropane		< MDL	.5
47	N-propylbenzene		< MDL	.5

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 02/25/2002 Time: 16:57:25

Sample: AE02714
Analysis: SD_524 Volatile Organic Compounds-Duplicate
Units: ug
Started: 02/15/02 16:55 Ended: 02/25/02 16:55 Analyst: BH
Result source: manual entry
Page: 2

	Component Name	Vlol	Result	MDL
48	Bromobenzene		< MDL	.5
49	1,3,5-trimethylbenzene		< MDL	.5
50	2-chlorotoluene		< MDL	.5
51	4-chlorotoluene		< MDL	.5
52	TERT-butylbenzene		< MDL	.5
53	1,2,4-trimethylbenzene		< MDL	.5
54	SEC-butylbenzene		< MDL	.5
55	P-isopropyltoluene		< MDL	.5
56	1,3-dichlorobenzene		< MDL	.5
57	1,4-dichlorobenzene		< MDL	.5
58	N-butylbenzene		< MDL	.5
59	1,2-dichlorobenzene		< MDL	.5
60	1,2,4-trichlorobenzene		< MDL	.5
61	Hexachlorobutadiene		< MDL	.5
62	Naphthalene		< MDL	.5
63	1,2,3-trichlorobenzene		< MDL	.5

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 02/25/2002 Time: 16:57:31

Sample: AE02714
Analysis: $P_524 Duplicate calculation for 524
Units: ug
Started: 02/11/02 00:07 Ended: 02/11/02 00:07 Analyst: BH
Result source: calculation
Page: 1

	Component Name	Viol	Result
1	Surr - 1,2-DICHLOROETHANE-D		0.48
2	Surr - 4-BROMOFLUOROBENZE		0.12
3	DICHLORODIFLUOROMETHANE		< MDL
4	CHLOROMETHANE		< MDL
5	VINYL CHLORIDE		< MDL
6	BROMOMETHANE		< MDL
7	CHLOROETHANE		< MDL
8	TRICHLOROFLUOROMETHANE		< MDL
9	1,1-DICHLOROETHENE		< MDL
10	METHYLENE CHLORIDE		< MDL
11	METHYL TERT-BUTYL ETHER (M		< MDL
12	TRANS-1,2-DICHLOROETHENE		< MDL
13	1,1-DICHLOROETHANE		< MDL
14	2-BUTANONE (MEK)		< MDL
15	2,2-DICHLOROPROPANE		< MDL
16	CIS-1,2-DICHLOROETHENE		< MDL
17	*THM-CHLOROFORM		< MDL
18	BROMOCHLOROMETHANE		< MDL
19	1,2-DICHLOROETHANE		< MDL
20	Surr - TOLUENE-D8		0.12
21	1,1,1- TRICHLOROETHANE		< MDL
22	1,1-DICHLOROPROPENE		< MDL
23	CARBON TETRACHLORIDE		< MDL
24	BENZENE		< MDL
25	TRICHLOROETHENE		< MDL
26	1,2-DICHLOROPROPANE		< MDL
27	DIBROMOMETHANE		< MDL
28	*THM-BROMODICHLOROMETH/		< MDL
29	METHYL ISO-BUTYL KETONE (M		< MDL
30	CIS-1,3-DICHLOROPROPENE		< MDL
31	TOLUENE		< MDL
32	TRANS-1,3-DICHLOROPROPENE		< MDL
33	1,1,2-TRICHLOROETHANE		< MDL
34	TETRACHLOROETHENE		< MDL
35	1,3-DICHLOROPROPANE		< MDL
36	*THM-DIBROMOCHLOROMETH/		< MDL
37	1,2-DIBROMOETHANE		< MDL
38	CHLOROBENZENE		< MDL
39	1,1,1,2-TETRACHLOROETHANE		< MDL
40	2-HEXANONE		< MDL
41	ETHYLBENZENE		< MDL
42	P & M-XYLENE		< MDL
43	O-XYLENE		< MDL
44	STYRENE		< MDL
45	1,1,2,2-TETRACHLOROETHANE		< MDL
46	*THM-BROMOFORM		< MDL
47	ISOPROPYLBENZENE		< MDL

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 02/25/2002 Time: 16:57:31

Sample: AE02714
Analysis: SP_524 Duplicate calculation for 524
Units: ug
Started: 02/11/02 00:07 Ended: 02/11/02 00:07 Analyst: BH
Result source: calculation
Page: 2

	Component Name	Viol	Result
48	1,2,3-TRICHLOROPROPANE		< MDL
49	N-PROPYLBENZENE		< MDL
50	BROMOBENZENE		< MDL
51	1,3,5-TRIMETHYLBENZENE		< MDL
52	2-CHLOROTOLUENE		< MDL
53	4-CHLOROTOLUENE		< MDL
54	TERT-BUTYLBENZENE		< MDL
55	1,2,4-TRIMETHYLBENZENE		< MDL
56	SEC-BUTYLBENZENE		< MDL
57	P-ISOPROPYLTOLUENE		< MDL
58	1,3-DICHLOROBENZENE		< MDL
59	1,4-DICHLOROBENZENE		< MDL
60	N-BUTYLBENZENE		< MDL
61	1,2-DICHLOROBENZENE		< MDL
62	1,2-DIBROMO-3-CHLOROPROPA		< MDL
63	1,2,4-TRICHLOROBENZENE		< MDL
64	HEXACHLOROBUTADIENE		< MDL
65	NAPHTHALENE		< MDL
66	1,2,3-TRICHLOROBENZENE		< MDL

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB15\02714.D Vial: 6
Acq On : 15 Feb 2002 12:51 pm Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : February 15, 2002 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 15 13:29 2002 Quant Results File: HP021302.RES

Quant Method : C:\HPCHEM\1\METHODS\HP021302.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri Feb 15 09:42:18 2002
Response via : Initial Calibration
DataAcq Meth : HP021302

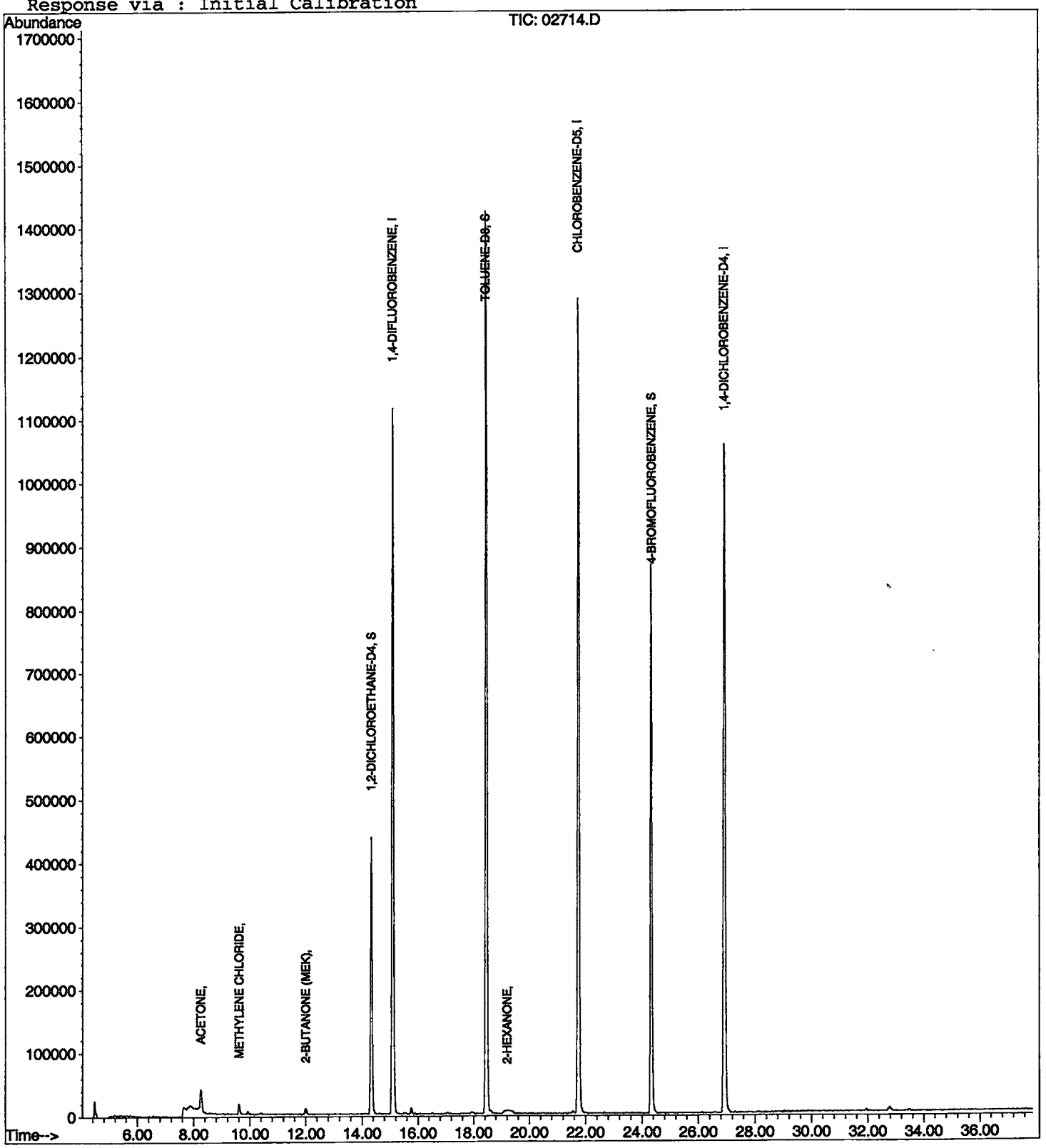
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.10	114	1610357	5.00 ug/L	-0.02
24) CHLOROBENZENE-D5	21.74	117	1514754	5.00 ug/L	-0.02
52) 1,4-DICHLOROBENZENE-D4	26.93	152	709482	5.00 ug/L	-0.02
System Monitoring Compounds					
2) 1,2-DICHLOROETHANE-D4	14.33	65	566790	4.62 ug/L	-0.02
Spiked Amount 5.000			Recovery =	92.40%	
3) 4-BROMOFLUOROBENZENE	24.34	174	554105	4.58 ug/L	-0.02
Spiked Amount 5.000			Recovery =	91.60%	
25) TOLUENE-D8	18.44	98	1962539	5.22 ug/L	-0.03
Spiked Amount 5.000			Recovery =	104.40%	
Target Compounds					Qvalue
12) ACETONE	8.26	43	90320	8.16 ug/L	91
14) METHYLENE CHLORIDE	9.61	49	20929	~~0.23 ug/~~L	91
18) 2-BUTANONE (MEK)	12.00	43	32145	~~1.25 ug/L~~	93
46) 2-HEXANONE	19.20	43	24080	1.06 ug/L	30

(#) = qualifier out of range (m) = manual integration
02714.D HP021302.M Sun Feb 17 11:35:26 2002 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB15\02714.D Vial: 6
Acq On : 15 Feb 2002 12:51 pm Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : February 15, 2002 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 15 13:29 2002 Quant Results File: HP021302.RES

Method : C:\HPCHEM\1\METHODS\HP021302.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Sun Feb 17 11:32:06 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB15\02714.D Vial: 6
Acq On : 15 Feb 2002 12:51 pm Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : February 15, 2002 Multiplr: 1.00
MS Integration Params: RTEINT.P

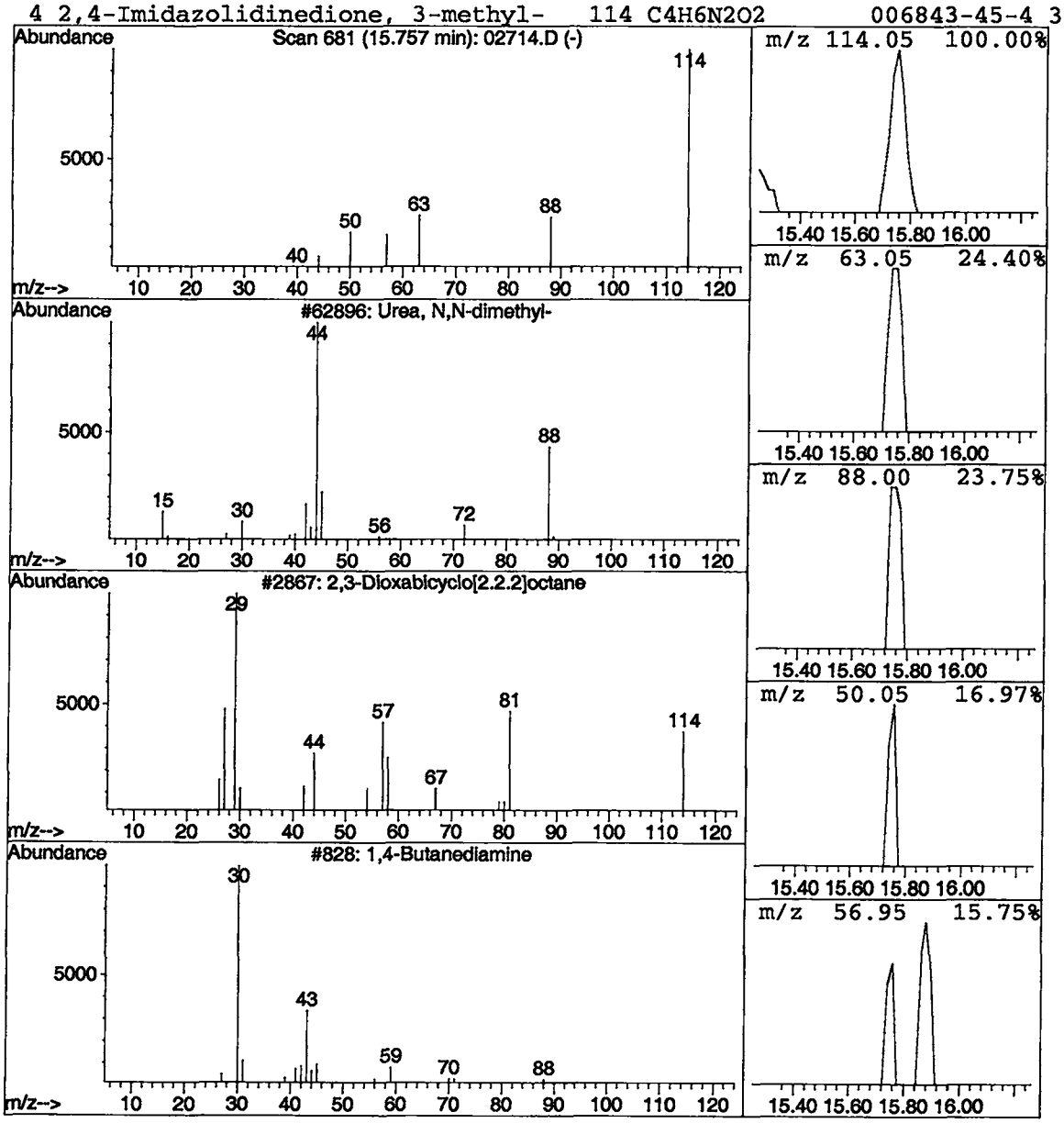
Quant Method : C:\HPCHEM\1\METHODS\HP021302.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Urea, N,N-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	0.04 ug/L	38128	1,4-DIFLUOROBENZENE	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Urea, N,N-dimethyl-	88	C3H8N2O	000598-94-7	5
2	2,3-Dioxabicyclo[2.2.2]octane	114	C6H10O2	000000-00-0	4
3	1,4-Butanediamine	88	C4H12N2	000110-60-1	3
4	2,4-Imidazolidinedione, 3-methyl-	114	C4H6N2O2	006843-45-4	3



User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 02/25/2002 Time: 16:44:28

Sample: AE02715
Analysis: S524 Volatile Organic Compounds
Units: ug
Started: 02/11/02 00:08 Ended: 02/11/02 00:08 Analyst: BH
Result source: manual entry
Page: 1

	Component Name	Viol	Result	MDL
1	Surr - 1,2-DICHLOROETHANE-D		5.2	0.5
2	Surr - 4-BROMOFLUOROBENZE		4.8	0.5
3	Dichlorodifluoromethane		< MDL	0.5
4	Chloromethane		< MDL	0.5
5	Vinyl chloride		< MDL	0.5
6	Bromomethane		< MDL	0.5
7	Chloroethane		< MDL	0.5
8	Trichlorofluoromethane		< MDL	0.5
9	1,1-Dichloroethene		< MDL	0.5
10	Methylene Chloride		< MDL	0.5
11	Methyl tert-butyl ether (MTB		< MDL	1.0
12	trans-1,2-dichloroethene		< MDL	0.5
13	1,1-dichloroethane		< MDL	0.5
14	2-butanone (MEK)		< MDL	2.0
15	2,2-dichloropropane		< MDL	0.5
16	cis-1,2-dichloroethene		< MDL	0.5
17	*THM-Chloroform		< MDL	0.5
18	Bromochloromethane		< MDL	0.5
19	1,2-dichloroethane		< MDL	0.5
20	Surr - TOLUENE-D8		5.1	0.5
21	1,1,1- trichloroethane		< MDL	0.5
22	1,1-dichloropropene		< MDL	0.5
23	Carbon tetrachloride		< MDL	0.5
24	Benzene		< MDL	0.5
25	Trichloroethene		< MDL	0.5
26	1,2-dichloropropane		< MDL	0.5
27	Dibromomethane		< MDL	0.5
28	*THM-Bromodichloromethar		< MDL	0.5
29	Methyl iso-butyl ketone (MIB		< MDL	1.0
30	cis-1,3-dichloropropene		< MDL	0.5
31	Toluene		< MDL	0.5
32	trans-1,3-dichloropropene		< MDL	0.5
33	1,1,2-trichloroethane		< MDL	0.5
34	Tetrachloroethene		< MDL	0.5
35	1,3-dichloropropane		< MDL	0.5
36	*THM-Dibromochloromethar		< MDL	2.0
37	Chlorobenzene		< MDL	0.5
38	1,1,1,2-tetrachloroethane		< MDL	0.5
39	Ethylbenzene		< MDL	0.5
40	P & M-xylene		< MDL	0.5
41	O-xylene		< MDL	0.5
42	Styrene		< MDL	0.5
43	1,1,2,2-tetrachloroethane		< MDL	0.5
44	*THM-Bromoform		< MDL	2.0
45	Isopropylbenzene		< MDL	0.5
46	1,2,3-trichloropropane		< MDL	0.5
47	N-propylbenzene		< MDL	0.5

REVIEWED BY AV
DATE 2/25/02

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 02/25/2002 Time: 16:44:28

Sample: AE02715
Analysis: S524 Volatile Organic Compounds
Units: ug
Started: 02/11/02 00:08 Ended: 02/11/02 00:08 Analyst: BH
Result source: manual entry
Page: 2

	Component Name	Vlol	Result	MDL
48	Bromobenzene		< MDL	0.5
49	1,3,5-trimethylbenzene		< MDL	0.5
50	2-chlorotoluene		< MDL	0.5
51	4-chlorotoluene		< MDL	0.5
52	TERT-butylbenzene		< MDL	0.5
53	1,2,4-trimethylbenzene		< MDL	0.5
54	SEC-butylbenzene		< MDL	0.5
55	P-isopropyltoluene		< MDL	0.5
56	1,3-dichlorobenzene		< MDL	0.5
57	1,4-dichlorobenzene		< MDL	0.5
58	N-butylbenzene		< MDL	0.5
59	1,2-dichlorobenzene		< MDL	0.5
60	1,2,4-trichlorobenzene		< MDL	0.5
61	Hexachlorobutadiene		< MDL	0.5
62	Naphthalene		< MDL	0.5
63	1,2,3-trichlorobenzene		< MDL	0.5

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB11\2715.D Vial: 12
Acq On : 11 Feb 2002 8:32 pm Operator: 201-wb
Sample : nyc 524 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 25 16:41 2002 Quant Results File: HP021102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 14:40:09 2002
Response via : Initial Calibration
DataAcq Meth : HP021102

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.10	114	2309005	5.00	ug/L	-0.02
24) CHLOROBENZENE-D5	21.74	117	2249619	5.00	ug/L	-0.02
52) 1,4-DICHLOROBENZENE-D4	26.91	152	1025355	5.00	ug/L	-0.03
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.33	65	905921	5.15	ug/L	-0.02
Spiked Amount 5.000			Recovery	= 103.00%		
3) 4-BROMOFLUOROBENZENE	24.32	174	833486	4.80	ug/L	-0.03
Spiked Amount 5.000			Recovery	= 96.00%		
25) TOLUENE-D8	18.44	98	2819843	5.05	ug/L	-0.03
Spiked Amount 5.000			Recovery	= 101.00%		
Target Compounds						Qvalue
12) ACETONE	8.26	43	95382	6.01	ug/L	92
14) METHYLENE CHLORIDE	9.60	49	91231	0.68	ug/L	94
15) METHYL TERT BUTYL ETHER	9.91	73	18038	0.12	ug/L	92
18) 2-BUTANONE (MEK)	12.00	43	145776	3.96	ug/L	99
65) 1,3-DICHLOROBENZENE	26.98	146	10567	0.07	ug/L	90
66) 1,4-DICHLOROBENZENE	26.98	146	10567	0.07	ug/L	86

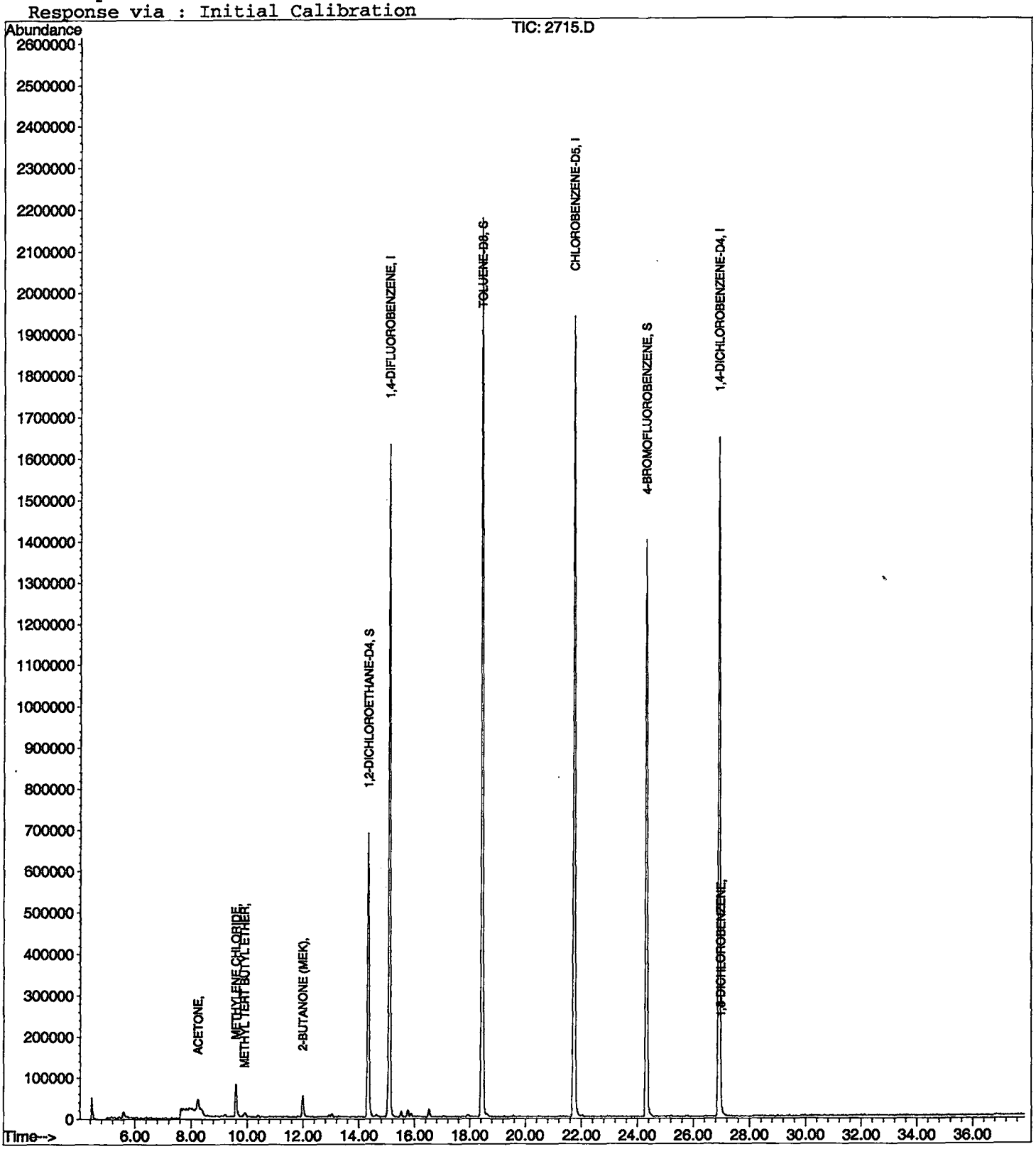
(#) = qualifier out of range (m) = manual integration
2715.D HP021702.M Mon Feb 25 16:44:31 2002 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB11\2715.D
Acq On : 11 Feb 2002 8:32 pm
Sample : nyc 524
Misc :
MS Integration Params: RTEINT.P
Quant Time: Feb 25 16:41 2002

Vial: 12
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP021102.RES

Method : C:\HPCHEM\1\METHODS\HP021702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Feb 19 16:16:43 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB11\2715.D Vial: 12
Acq On : 11 Feb 2002 8:32 pm Operator: 201-wb
Sample : nyc 524 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

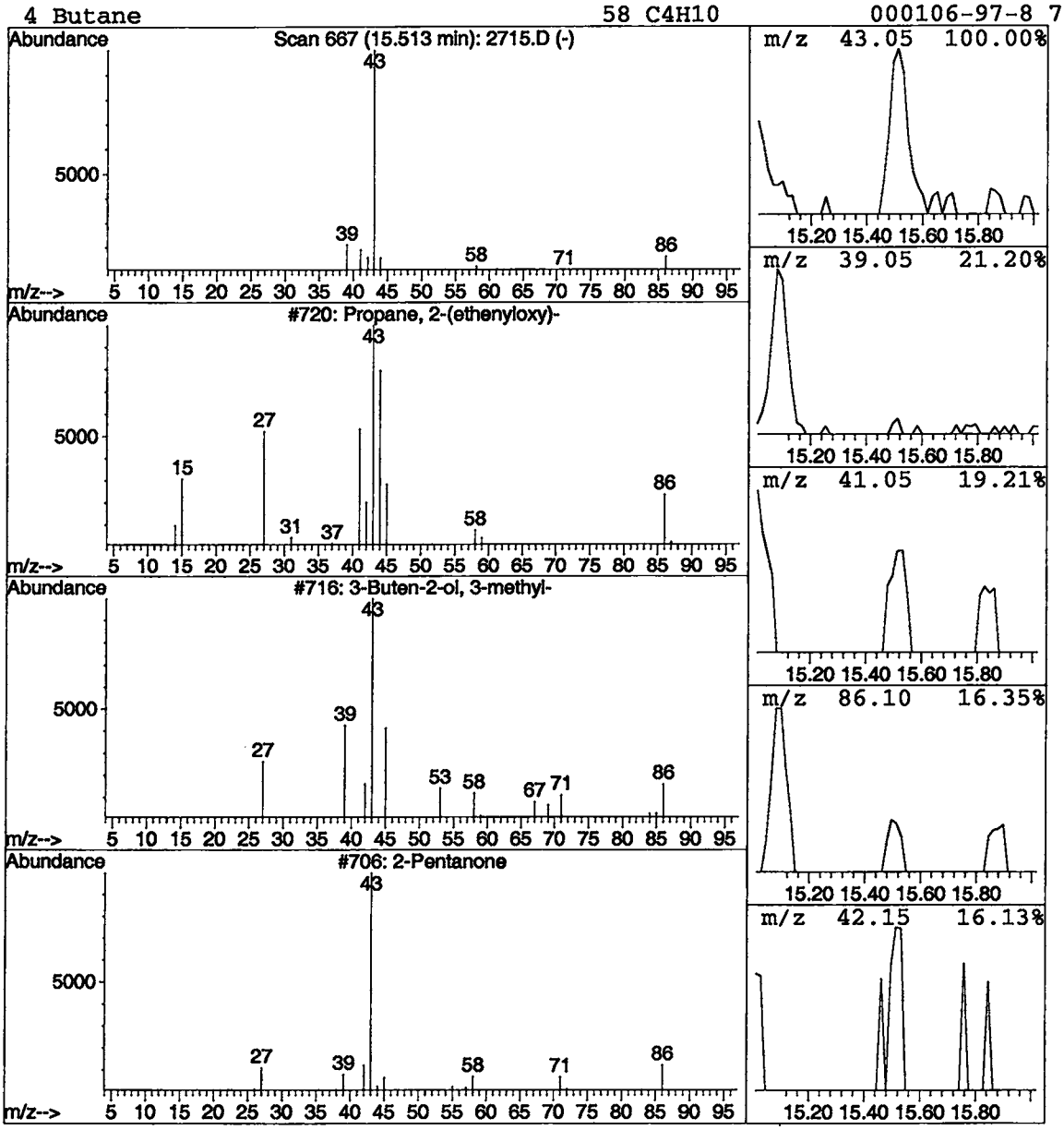
Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Propane, 2-(ethenyloxy)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	0.04 ug/L	55162	1,4-DIFLUOROBENZENE	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2-(ethenyloxy)-	86	C5H10O	000926-65-8	56
2	3-Buten-2-ol, 3-methyl-	86	C5H10O	010473-14-0	47
3	2-Pentanone	86	C5H10O	000107-87-9	38
4	Butane	58	C4H10	000106-97-8	7



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB11\2715.D Vial: 12
Acq On : 11 Feb 2002 8:32 pm Operator: 201-wb
Sample : nyc 524 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

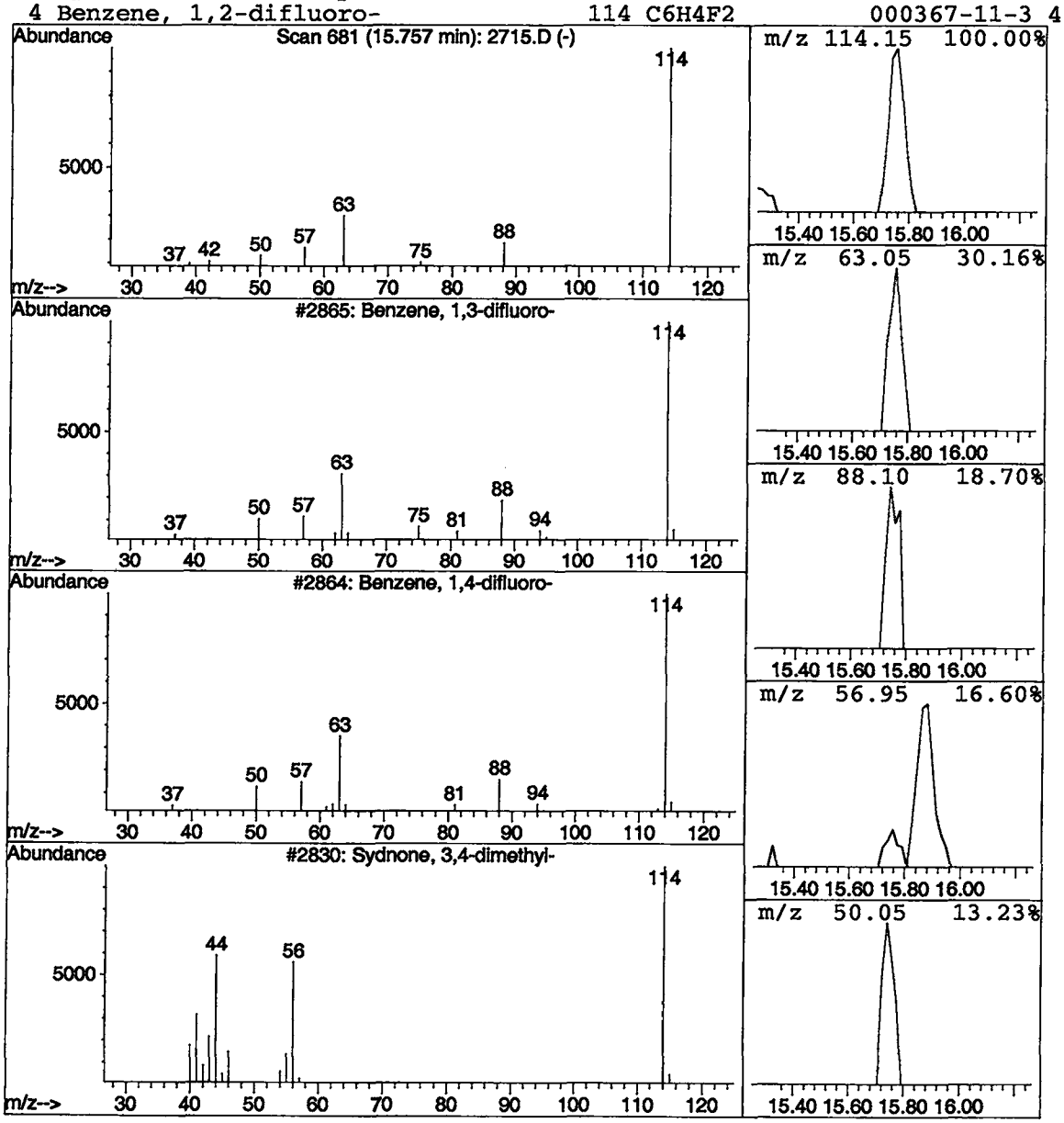
Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Benzene, 1,3-difluoro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	0.05 ug/L	60985	1,4-DIFLUOROBENZENE	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-difluoro-	114	C6H4F2	000372-18-9	58
2	Benzene, 1,4-difluoro-	114	C6H4F2	000540-36-3	52
3	Sydnone, 3,4-dimethyl-	114	C4H6N2O2	004007-18-5	42
4	Benzene, 1,2-difluoro-	114	C6H4F2	000367-11-3	40



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB11\2715.D Vial: 12
Acq On : 11 Feb 2002 8:32 pm Operator: 201-wb
Sample : nyc 524 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

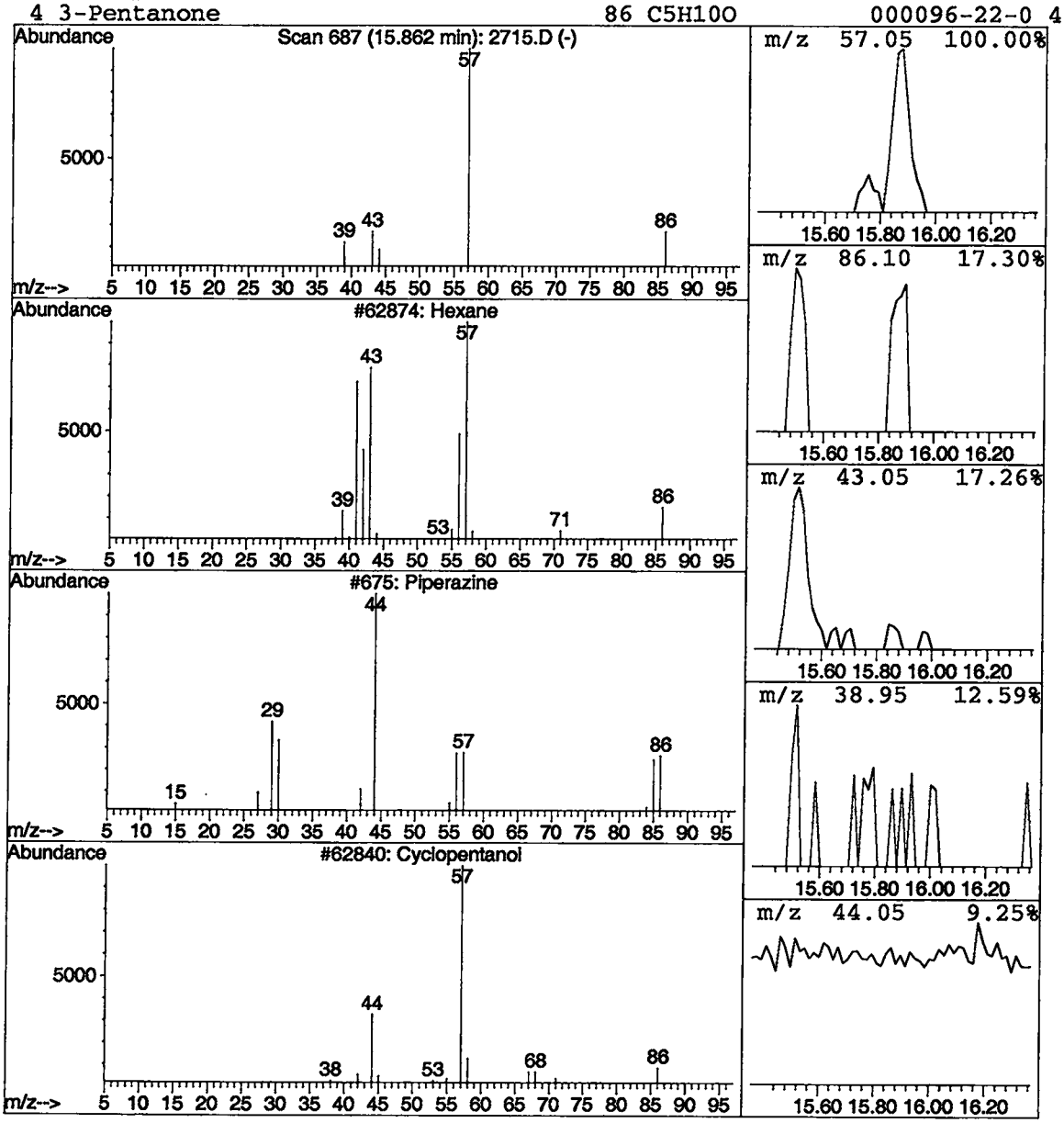
Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Hexane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	0.02 ug/L	26349	1,4-DIFLUOROBENZENE	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane	86	C6H14	000110-54-3	5
2	Piperazine	86	C4H10N2	000110-85-0	4
3	Cyclopentanol	86	C5H10O	000096-41-3	4
4	3-Pentanone	86	C5H10O	000096-22-0	4



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB11\2715.D
Acq On : 11 Feb 2002 8:32 pm
Sample : nyc 524
Misc :
MS Integration Params: LSCINT.P

Vial: 12
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

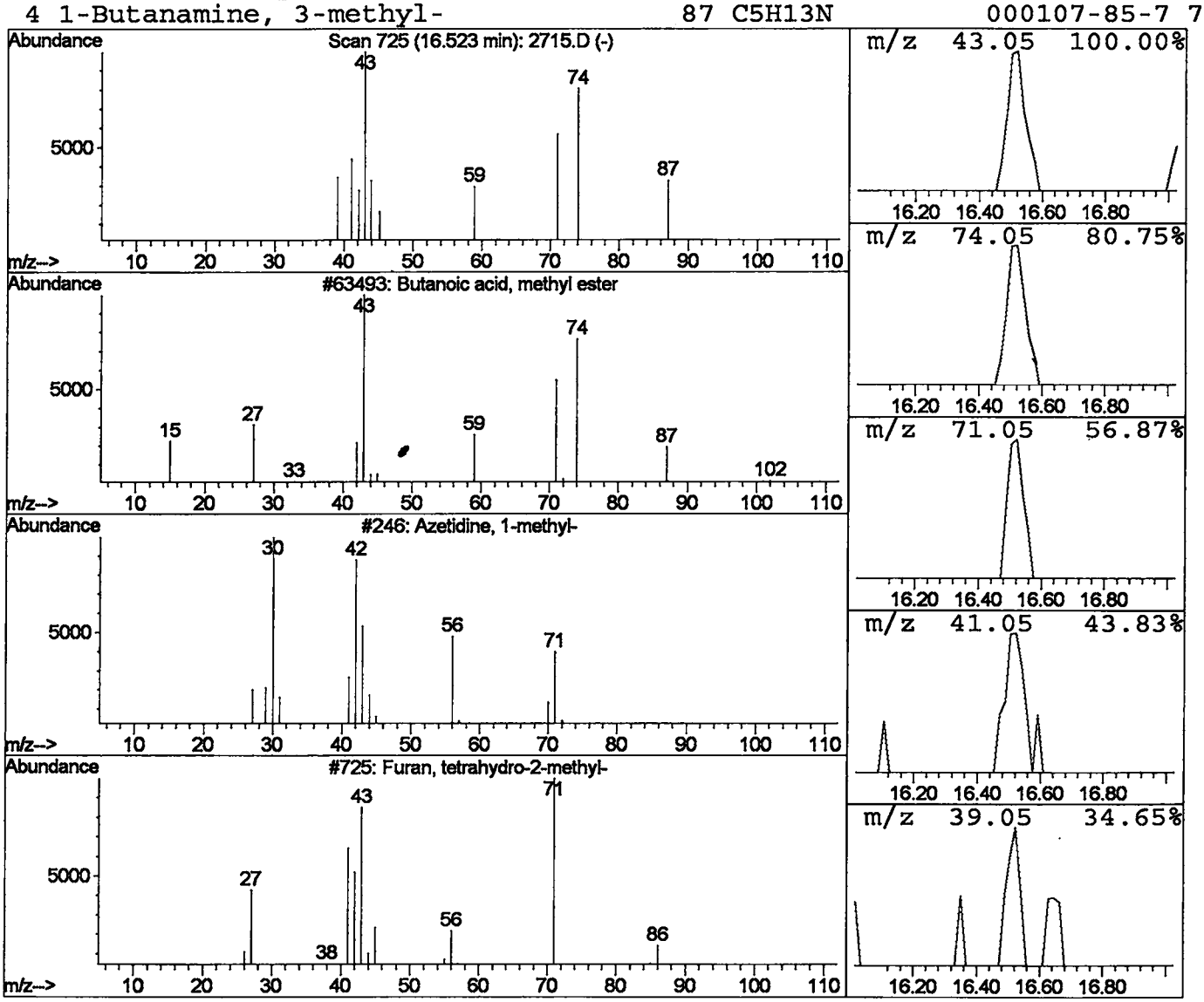
Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Butanoic acid, methyl ester Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	0.06 ug/L	72957	1,4-DIFLUOROBENZENE	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	64
2	Azetidine, 1-methyl-	71	C4H9N	004923-79-9	9
3	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	9
4	1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	7



User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 02/25/2002 Time: 16:57:35

Sample: AE02715
Analysis: SD_524 Volatile Organic Compounds-Duplicate
Units: ug
Started: 02/15/02 16:55 Ended: 02/25/02 16:55 Analyst: BH
Result source: manual entry
Page: 1

	Component Name	Vial	Result	MDL
1	Surr - 1,2-DICHLOROETHANE-D		4.58	.5
2	Surr - 4-BROMOFLUOROBENZE		4.66	.5
3	Dichlorodifluoromethane		< MDL	.5
4	Chloromethane		< MDL	.5
5	Vinyl chloride		< MDL	.5
6	Bromomethane		< MDL	.5
7	Chloroethane		< MDL	.5
8	Trichlorofluoromethane		< MDL	.5
9	1,1-Dichloroethene		< MDL	.5
10	Methylene Chloride		< MDL	.5
11	Methyl tert-butyl ether (MTB		< MDL	1.0
12	trans-1,2-dichloroethene		< MDL	.5
13	1,1-dichloroethane		< MDL	.5
14	2-butanone (MEK)		< MDL	2.0
15	2,2-dichloropropane		< MDL	.5
16	cis-1,2-dichloroethene		< MDL	.5
17	*THM-Chloroform		< MDL	.5
18	Bromochloromethane		< MDL	.5
19	1,2-dichloroethane		< MDL	.5
20	Surr - TOLUENE-D8		5.17	.5
21	1,1,1- trichloroethane		< MDL	.5
22	1,1-dichloropropene		< MDL	.5
23	Carbon tetrachloride		< MDL	.5
24	Benzene		< MDL	.5
25	Trichloroethene		< MDL	.5
26	1,2-dichloropropane		< MDL	.5
27	Dibromomethane		< MDL	.5
28	*THM-Bromodichloromethar		< MDL	.5
29	Methyl iso-butyl ketone (MIB		< MDL	1.0
30	cis-1,3-dichloropropene		< MDL	.5
31	Toluene		< MDL	.5
32	trans-1,3-dichloropropene		< MDL	.5
33	1,1,2-trichloroethane		< MDL	.5
34	Tetrachloroethene		< MDL	.5
35	1,3-dichloropropane		< MDL	.5
36	*THM-Dibromochloromethar		< MDL	2.0
37	Chlorobenzene		< MDL	.5
38	1,1,1,2-tetrachloroethane		< MDL	.5
39	Ethylbenzene		< MDL	.5
40	P & M-xylene		< MDL	.5
41	O-xylene		< MDL	.5
42	Styrene		< MDL	.5
43	1,1,2,2-tetrachloroethane		< MDL	.5
44	*THM-Bromoform		< MDL	2.0
45	Isopropylbenzene		< MDL	.5
46	1,2,3-trichloropropane		< MDL	.5
47	N-propylbenzene		< MDL	.5

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 02/25/2002 Time: 16:57:35

Sample: AE02715
Analysis: SD_524 Volatile Organic Compounds-Duplicate
Units: ug
Started: 02/15/02 16:55 Ended: 02/25/02 16:55 Analyst: BH
Result source: manual entry
Page: 2

	Component Name	Viol	Result	MDL
48	Bromobenzene		< MDL	.5
49	1,3,5-trimethylbenzene		< MDL	.5
50	2-chlorotoluene		< MDL	.5
51	4-chlorotoluene		< MDL	.5
52	TERT-butylbenzene		< MDL	.5
53	1,2,4-trimethylbenzene		< MDL	.5
54	SEC-butylbenzene		< MDL	.5
55	P-isopropyltoluene		< MDL	.5
56	1,3-dichlorobenzene		< MDL	.5
57	1,4-dichlorobenzene		< MDL	.5
58	N-butylbenzene		< MDL	.5
59	1,2-dichlorobenzene		< MDL	.5
60	1,2,4-trichlorobenzene		< MDL	.5
61	Hexachlorobutadiene		< MDL	.5
62	Naphthalene		< MDL	.5
63	1,2,3-trichlorobenzene		< MDL	.5

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 02/25/2002 Time: 16:57:40

Sample: AE02715
Analysis: SP_524 Duplicate calculation for 524
Units: ug
Started: 02/11/02 00:08 Ended: 02/11/02 00:08 Analyst: BH
Result source: calculation
Page: 1

	Component Name	Viol	Result
1	Surr - 1,2-DICHLOROETHANE-D		0.62
2	Surr - 4-BROMOFLUOROBENZE		0.14
3	DICHLORODIFLUOROMETHANE		< MDL
4	CHLOROMETHANE		< MDL
5	VINYL CHLORIDE		< MDL
6	BROMOMETHANE		< MDL
7	CHLOROETHANE		< MDL
8	TRICHLOROFLUOROMETHANE		< MDL
9	1,1-DICHLOROETHENE		< MDL
10	METHYLENE CHLORIDE		< MDL
11	METHYL TERT-BUTYL ETHER (M		< MDL
12	TRANS-1,2-DICHLOROETHENE		< MDL
13	1,1-DICHLOROETHANE		< MDL
14	2-BUTANONE (MEK)		< MDL
15	2,2-DICHLOROPROPANE		< MDL
16	CIS-1,2-DICHLOROETHENE		< MDL
17	*THM-CHLOROFORM		< MDL
18	BROMOCHLOROMETHANE		< MDL
19	1,2-DICHLOROETHANE		< MDL
20	Surr - TOLUENE-D8		0.07
21	1,1,1- TRICHLOROETHANE		< MDL
22	1,1-DICHLOROPROPENE		< MDL
23	CARBON TETRACHLORIDE		< MDL
24	BENZENE		< MDL
25	TRICHLOROETHENE		< MDL
26	1,2-DICHLOROPROPANE		< MDL
27	DIBROMOMETHANE		< MDL
28	*THM-BROMODICHLOROMETH		< MDL
29	METHYL ISO-BUTYL KETONE (M		< MDL
30	CIS-1,3-DICHLOROPROPENE		< MDL
31	TOLUENE		< MDL
32	TRANS-1,3-DICHLOROPROPENE		< MDL
33	1,1,2-TRICHLOROETHANE		< MDL
34	TETRACHLOROETHENE		< MDL
35	1,3-DICHLOROPROPANE		< MDL
36	*THM-DIBROMOCHLOROMETH		< MDL
37	1,2-DIBROMOETHANE		< MDL
38	CHLOROBENZENE		< MDL
39	1,1,1,2-TETRACHLOROETHANE		< MDL
40	2-HEXANONE		< MDL
41	ETHYLBENZENE		< MDL
42	P & M-XYLENE		< MDL
43	O-XYLENE		< MDL
44	STYRENE		< MDL
45	1,1,2,2-TETRACHLOROETHANE		< MDL
46	*THM-BROMOFORM		< MDL
47	ISOPROPYLBENZENE		< MDL

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 02/25/2002 Time: 16:57:40

Sample: AE02715
Analysis: $P_524 Duplicate calculation for 524
Units: ug
Started: 02/11/02 00:08 Ended: 02/11/02 00:08 Analyst: BH
Result source: calculation
Page: 2

	Component Name	Viol	Result
48	1,2,3-TRICHLOROPROPANE		< MDL
49	N-PROPYLBENZENE		< MDL
50	BROMOBENZENE		< MDL
51	1,3,5-TRIMETHYLBENZENE		< MDL
52	2-CHLOROTOLUENE		< MDL
53	4-CHLOROTOLUENE		< MDL
54	TERT-BUTYLBENZENE		< MDL
55	1,2,4-TRIMETHYLBENZENE		< MDL
56	SEC-BUTYLBENZENE		< MDL
57	P-ISOPROPYLTOLUENE		< MDL
58	1,3-DICHLOROBENZENE		< MDL
59	1,4-DICHLOROBENZENE		< MDL
60	N-BUTYLBENZENE		< MDL
61	1,2-DICHLOROBENZENE		< MDL
62	1,2-DIBROMO-3-CHLOROPROPA		< MDL
63	1,2,4-TRICHLOROBENZENE		< MDL
64	HEXACHLOROBUTADIENE		< MDL
65	NAPHTHALENE		< MDL
66	1,2,3-TRICHLOROBENZENE		< MDL

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02feb15\02715.D Vial: 7
Acq On : 15 Feb 2002 1:34 pm Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : February 15, 2002 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 15 14:13 2002 Quant Results File: HP021302.RES

Quant Method : C:\HPCHEM\1\METHODS\HP021302.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri Feb 15 09:42:18 2002
Response via : Initial Calibration
DataAcq Meth : HP021302

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.10	114	1763258	5.00	ug/L	-0.02
24) CHLOROBENZENE-D5	21.74	117	1671163	5.00	ug/L	-0.02
52) 1,4-DICHLOROBENZENE-D4	26.93	152	793236	5.00	ug/L	-0.02
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.33	65	614968	4.58	ug/L	-0.02
Spiked Amount 5.000			Recovery =	91.60%		
3) 4-BROMOFLUOROBENZENE	24.34	174	618159	4.66	ug/L	-0.02
Spiked Amount 5.000			Recovery =	93.20%		
25) TOLUENE-D8	18.46	98	2141926	5.17	ug/L	-0.02
Spiked Amount 5.000			Recovery =	103.40%		
Target Compounds						Qvalue
12) ACETONE	8.27	43	57417	4.74	ug/L	94
14) METHYLENE CHLORIDE	9.61	49	23017	0.23	ug/L	86
15) METHYL TERT BUTYL ETHER	9.93	73	9549	0.08	ug/L	79
18) 2-BUTANONE (MEK)	12.01	43	32107	1.14	ug/L	97
46) 2-HEXANONE	19.10	43	17021	0.68	ug/L	30
65) 1,3-DICHLOROBENZENE	27.00	146	6756	0.06	ug/L	97
66) 1,4-DICHLOROBENZENE	27.00	146	6756	0.05	ug/L	95

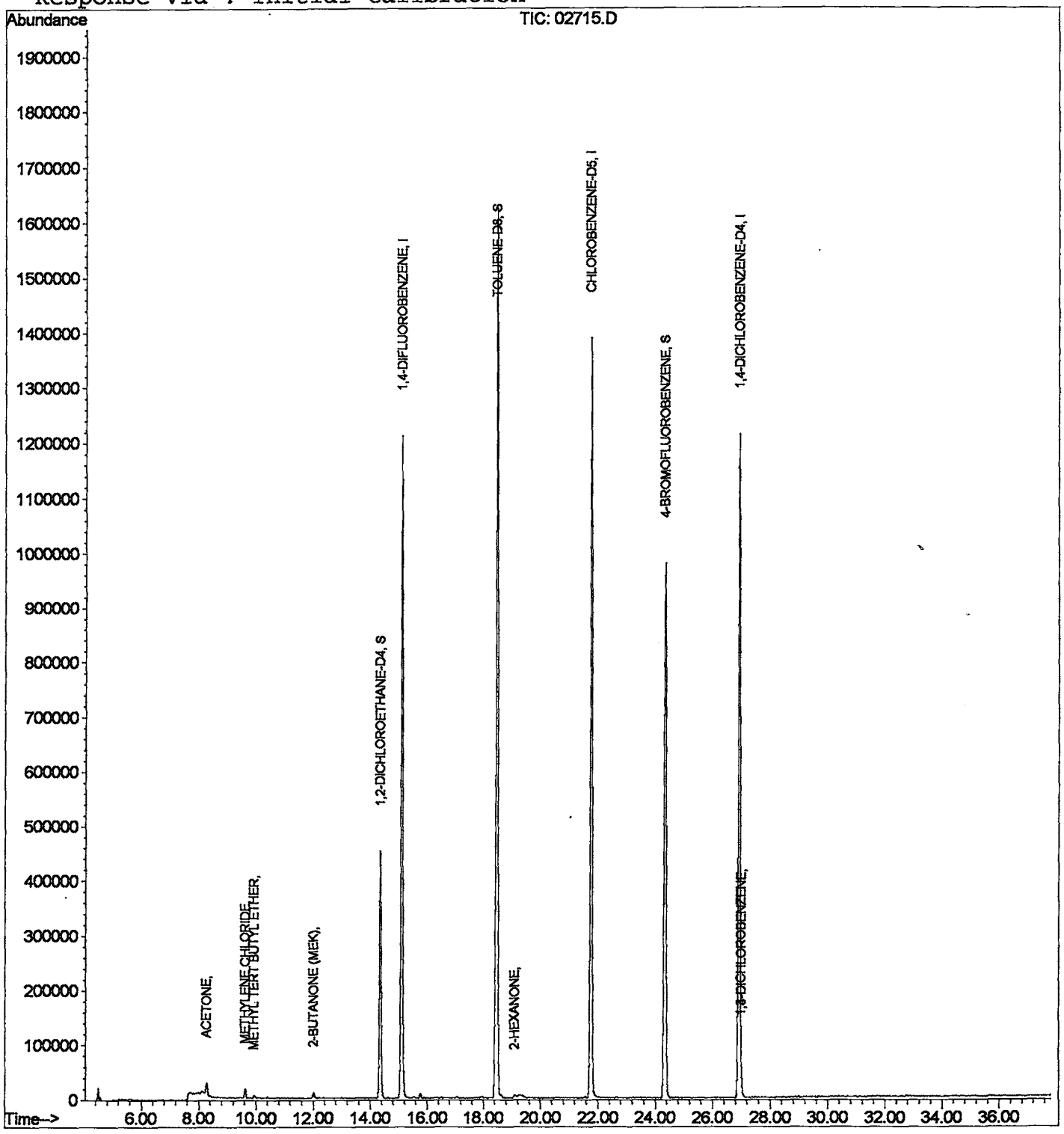
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02feb15\02715.D
Acq On : 15 Feb 2002 1:34 pm
Sample : nyc
Misc : February 15, 2002
MS Integration Params: RTEINT.P
Quant Time: Feb 15 14:13 2002

Vial: 7
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP021302.RES

Method : C:\HPCHEM\1\METHODS\HP021302.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri Feb 15 09:42:18 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB15\02715.D Vial: 7
Acq On : 15 Feb 2002 1:34 pm Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : February 15, 2002 Multiplr: 1.00
MS Integration Params: LSCINT.P

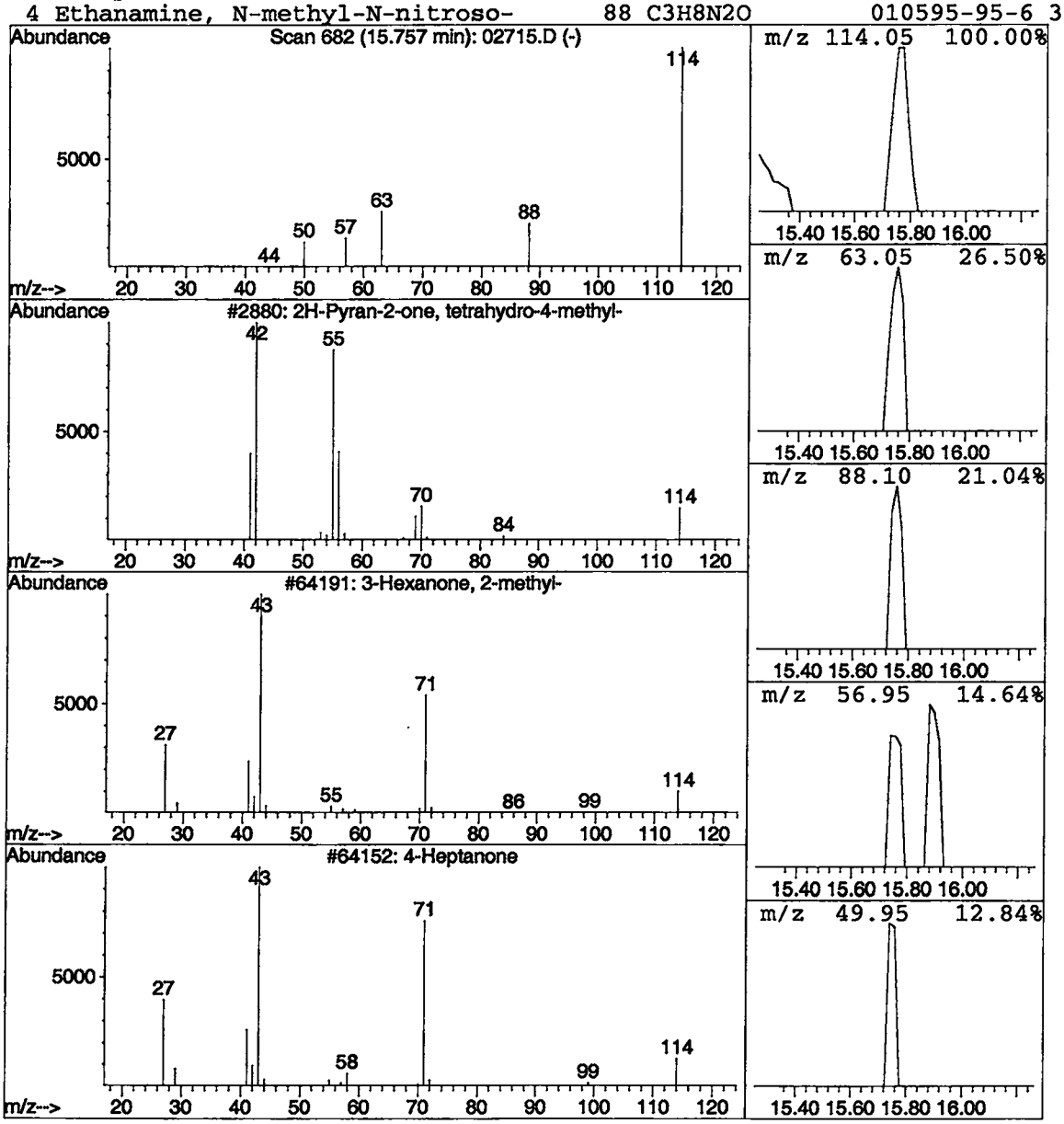
Quant Method : C:\HPCHEM\1\METHODS\HP021302.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 2H-Pyran-2-one, tetrahydro-4-m Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	0.04 ug/L	34521	1,4-DIFLUOROBENZENE	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran-2-one, tetrahydro-4-methyl	114	C6H10O2	001121-84-2	3
2	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	3
3	4-Heptanone	114	C7H14O	000123-19-3	3
4	Ethanamine, N-methyl-N-nitroso-	88	C3H8N2O	010595-95-6	3



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/15/2002 Time: 14:29:28

Sample: AE02716
Analysis: \$524 Volatile Organic Compounds
Units: ug
Started: 2/11/02 00:09 Ended: 2/11/02 00:09 Analyst: BH
Result source: a:\2716.rr
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Surr - 1,2-DICHLOROETHANE-		5.1		0.5
2	Surr - 4-BROMOFLUOROBENZ		4.7		0.5
3	Dichlorodifluoromethane		< MDL		0.5
4	Chloromethane		< MDL		0.5
5	Vinyl chloride		< MDL		0.5
6	Bromomethane		< MDL		0.5
7	Chloroethane		< MDL		0.5
8	Trichlorofluoromethane		< MDL		0.5
9	1,1-Dichloroethene		< MDL		0.5
10	Methylene Chloride		< MDL		0.5
11	Methyl tert-butyl ether (MTBE)		< MDL		1.0
12	trans-1,2-dichloroethene		< MDL		0.5
13	1,1-dichloroethane		< MDL		0.5
14	2-butanone (MEK)		< MDL		2.0
15	2,2-dichloropropane		< MDL		0.5
16	cis-1,2-dichloroethene		< MDL		0.5
17	*THM-Chloroform		< MDL		0.5
18	Bromochloromethane		< MDL		0.5
19	1,2-dichloroethane		< MDL		0.5
20	Surr - TOLUENE-D8		5.0		0.5
21	1,1,1- trichloroethane		< MDL		0.5
22	1,1-dichloropropene		< MDL		0.5
23	Carbon tetrachloride		< MDL		0.5
24	Benzene		< MDL		0.5
25	Trichloroethene		< MDL		0.5
26	1,2-dichloropropane		< MDL		0.5
27	Dibromomethane		< MDL		0.5
28	*THM-Bromodichloromethane		< MDL		0.5
29	Methyl iso-butyl ketone (MIBK)		< MDL		1.0
30	cis-1,3-dichloropropene		< MDL		0.5
31	Toluene		< MDL		0.5
32	trans-1,3-dichloropropene		< MDL		0.5
33	1,1,2-trichloroethane		< MDL		0.5
34	Tetrachloroethene		< MDL		0.5
35	1,3-dichloropropane		< MDL		0.5
36	*THM-Dibromochloromethane		< MDL		2.0
37	Chlorobenzene		< MDL		0.5
38	1,1,1,2-tetrachloroethane		< MDL		0.5
39	Ethylbenzene		< MDL		0.5
40	P & M-xylene		< MDL		0.5
41	O-xylene		< MDL		0.5
42	Styrene		< MDL		0.5
43	1,1,2,2-tetrachloroethane		< MDL		0.5
44	*THM-Bromoform		< MDL		2.0
45	Isopropylbenzene		< MDL		0.5
46	1,2,3-trichloropropane		< MDL		0.5
47	N-propylbenzene		< MDL		0.5
48	Bromobenzene		< MDL		0.5

REVIEWED BY AV
DATE 2/25/02

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/15/2002 Time: 14:29:28

Sample: AE02716
Analysis: \$524 Volatile Organic Compounds
Units: ug
Started: 2/11/02 00:09 Ended: 2/11/02 00:09 Analyst: BH
Result source: a:\2716.rr
Page: 2

	Component Name	Vial	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		< MDL		0.5
50	2-chlorotoluene		< MDL		0.5
51	4-chlorotoluene		< MDL		0.5
52	TERT-butylbenzene		< MDL		0.5
53	1,2,4-trimethylbenzene		< MDL		0.5
54	SEC-butylbenzene		< MDL		0.5
55	P-isopropyltoluene		< MDL		0.5
56	1,3-dichlorobenzene		< MDL		0.5
57	1,4-dichlorobenzene		< MDL		0.5
58	N-butylbenzene		< MDL		0.5
59	1,2-dichlorobenzene		< MDL		0.5
60	1,2,4-trichlorobenzene		< MDL		0.5
61	Hexachlorobutadiene		< MDL		0.5
62	Naphthalene		< MDL		0.5
63	1,2,3-trichlorobenzene		< MDL		0.5

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02feb11\2716.D Vial: 13
Acq On : 11 Feb 2002 9:15 pm Operator: 201-wb
Sample : nyc 524 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 11 21:53 2002 Quant Results File: HP021102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Feb 11 16:41:09 2002
Response via : Initial Calibration
DataAcq Meth : HP021102

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.10	114	2252196	5.00	ug/L	-0.02
24) CHLOROBENZENE-D5	21.74	117	2221875	5.00	ug/L	-0.02
52) 1,4-DICHLOROBENZENE-D4	26.91	152	1006158	5.00	ug/L	-0.03
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.33	65	875606	5.11	ug/L	-0.02
Spiked Amount 5.000			Recovery = 102.20%			
3) 4-BROMOFLUOROBENZENE	24.32	174	803043	4.74	ug/L	-0.03
Spiked Amount 5.000			Recovery = 94.80%			
25) TOLUENE-D8	18.44	98	2759501	5.01	ug/L	-0.03
Spiked Amount 5.000			Recovery = 100.20%			
Target Compounds						Qvalue
12) ACETONE	8.25	43	51858	3.35	ug/L	96
14) METHYLENE CHLORIDE	9.60	49	88917	~~0.69~~	ug/L	92
18) 2-BUTANONE (MEK)	12.00	43	134787	~~3.82~~	ug/L	99

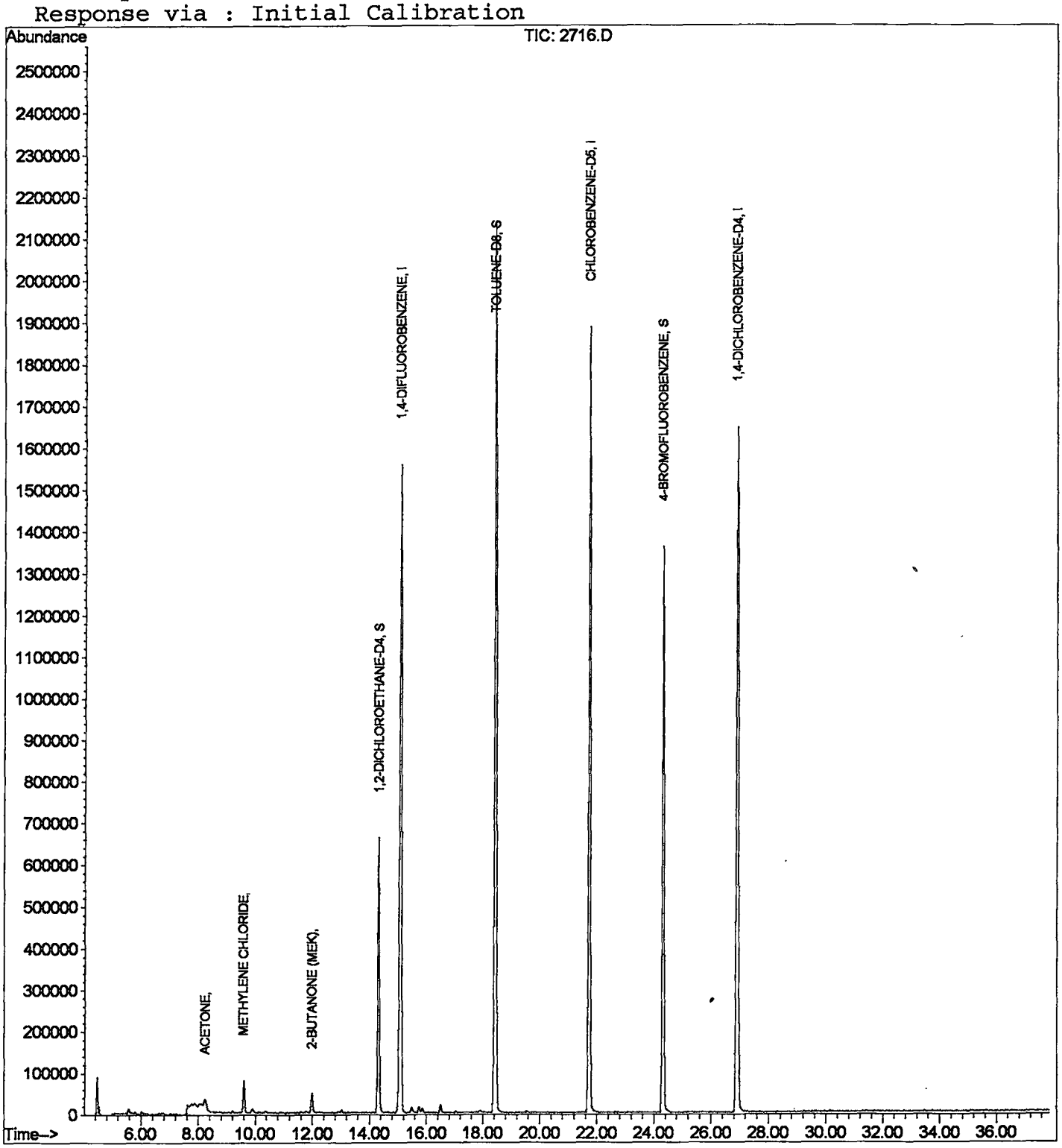
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02feb11\2716.D
Acq On : 11 Feb 2002 9:15 pm
Sample : nyc 524
Misc :
MS Integration Params: LSCINT.P
Quant Time: Feb 11 21:53 2002

Vial: 13
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP021102.RES

Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Feb 11 15:54:13 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB11\2716.D Vial: 13
Acq On : 11 Feb 2002 9:15 pm Operator: 201-wb
Sample : nyc 524 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

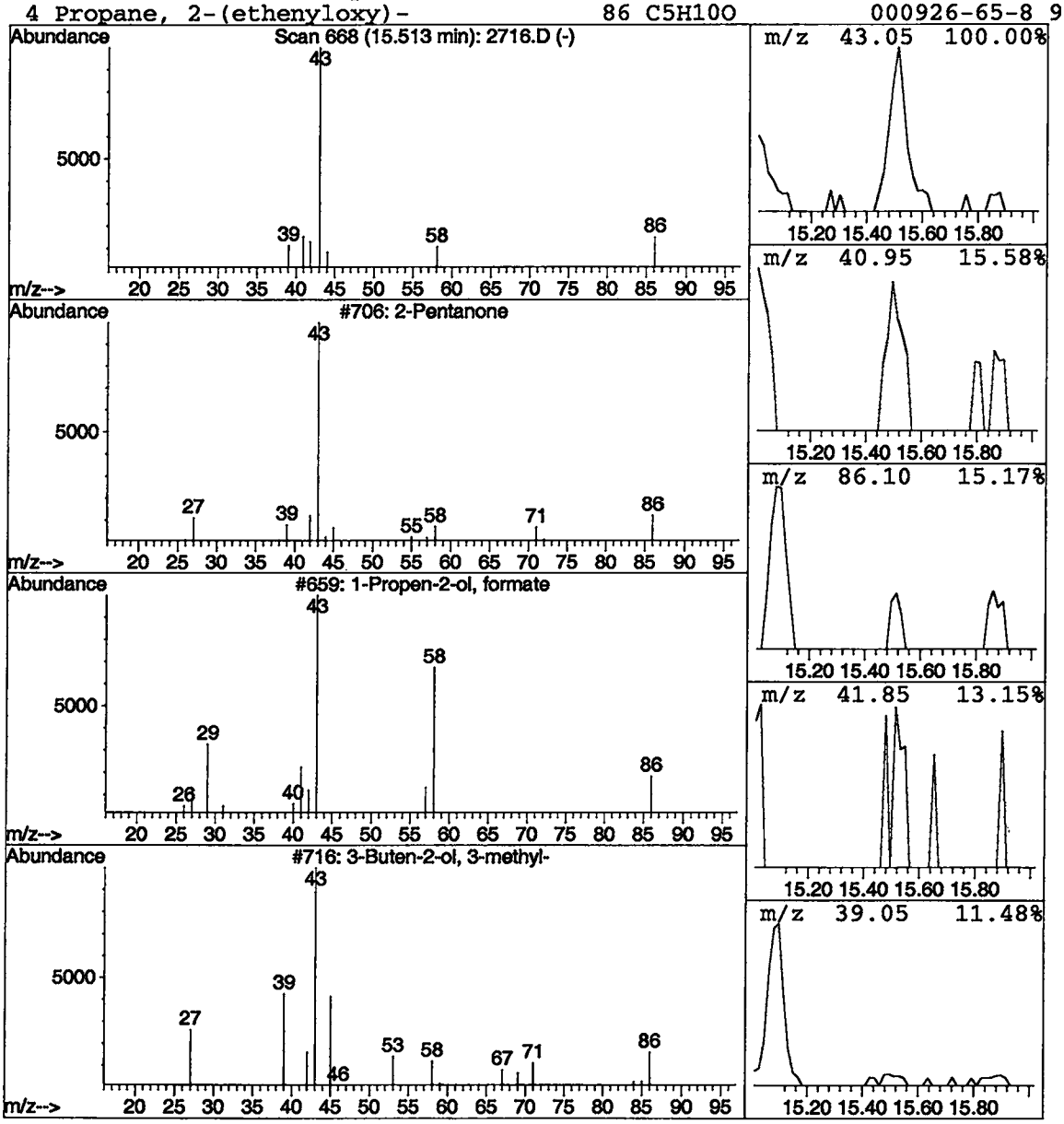
Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2-Pentanone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	0.05 ug/L	58204	1,4-DIFLUOROBENZENE	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone	86	C5H10O	000107-87-9	37
2	1-Propen-2-ol, formate	86	C4H6O2	032978-00-0	9
3	3-Buten-2-ol, 3-methyl-	86	C5H10O	010473-14-0	9
4	Propane, 2-(ethenyloxy)-	86	C5H10O	000926-65-8	9



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB11\2716.D Vial: 13
Acq On : 11 Feb 2002 9:15 pm Operator: 201-wb
Sample : nyc 524 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

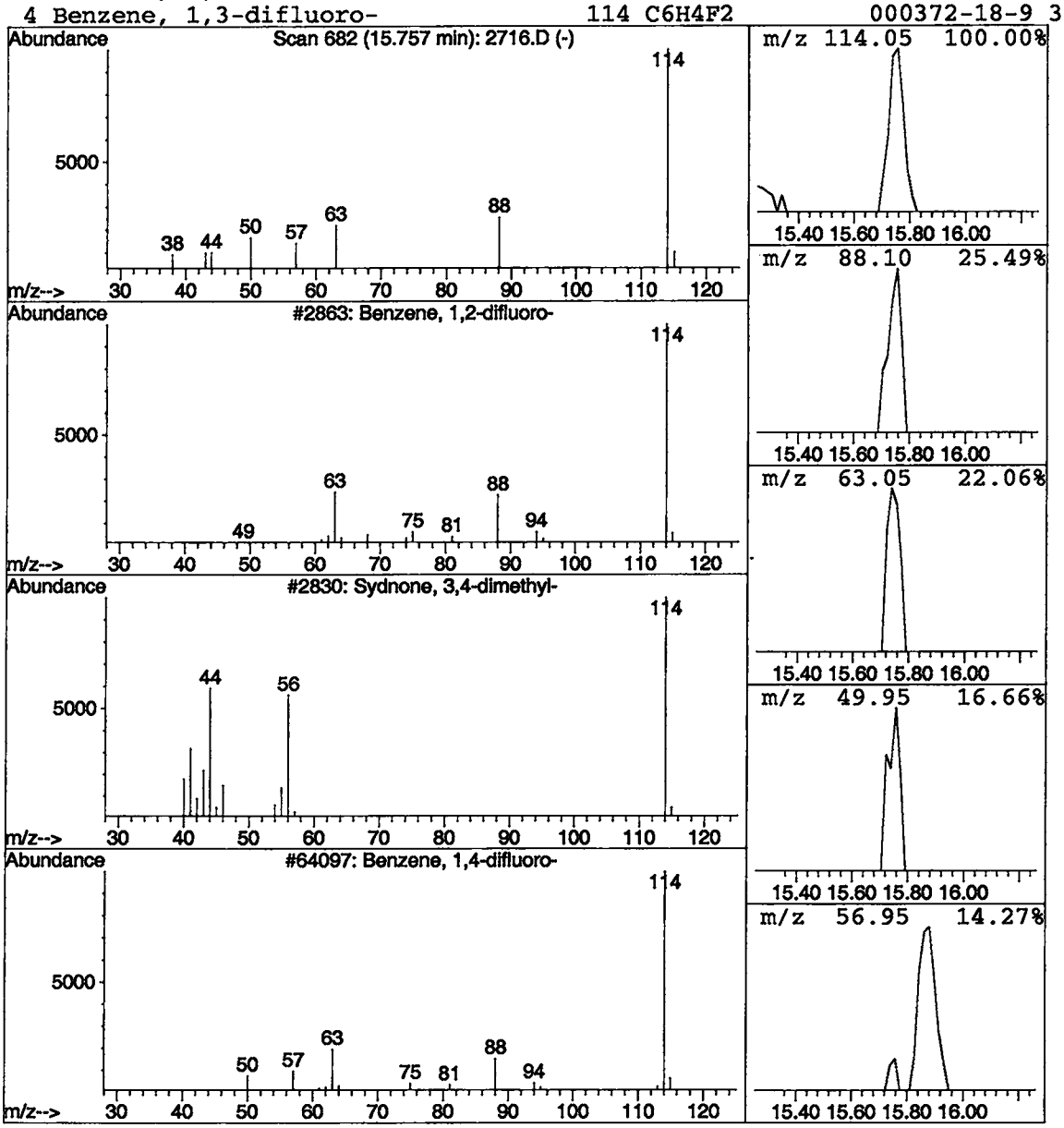
Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Benzene, 1,2-difluoro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	0.05 ug/L	61090	1,4-DIFLUOROBENZENE	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-difluoro-	114	C6H4F2	000367-11-3	42
2	Sydnone, 3,4-dimethyl-	114	C4H6N2O2	004007-18-5	42
3	Benzene, 1,4-difluoro-	114	C6H4F2	000540-36-3	42
4	Benzene, 1,3-difluoro-	114	C6H4F2	000372-18-9	33



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB11\2716.D Vial: 13
Acq On : 11 Feb 2002 9:15 pm Operator: 201-wb
Sample : nyc 524 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

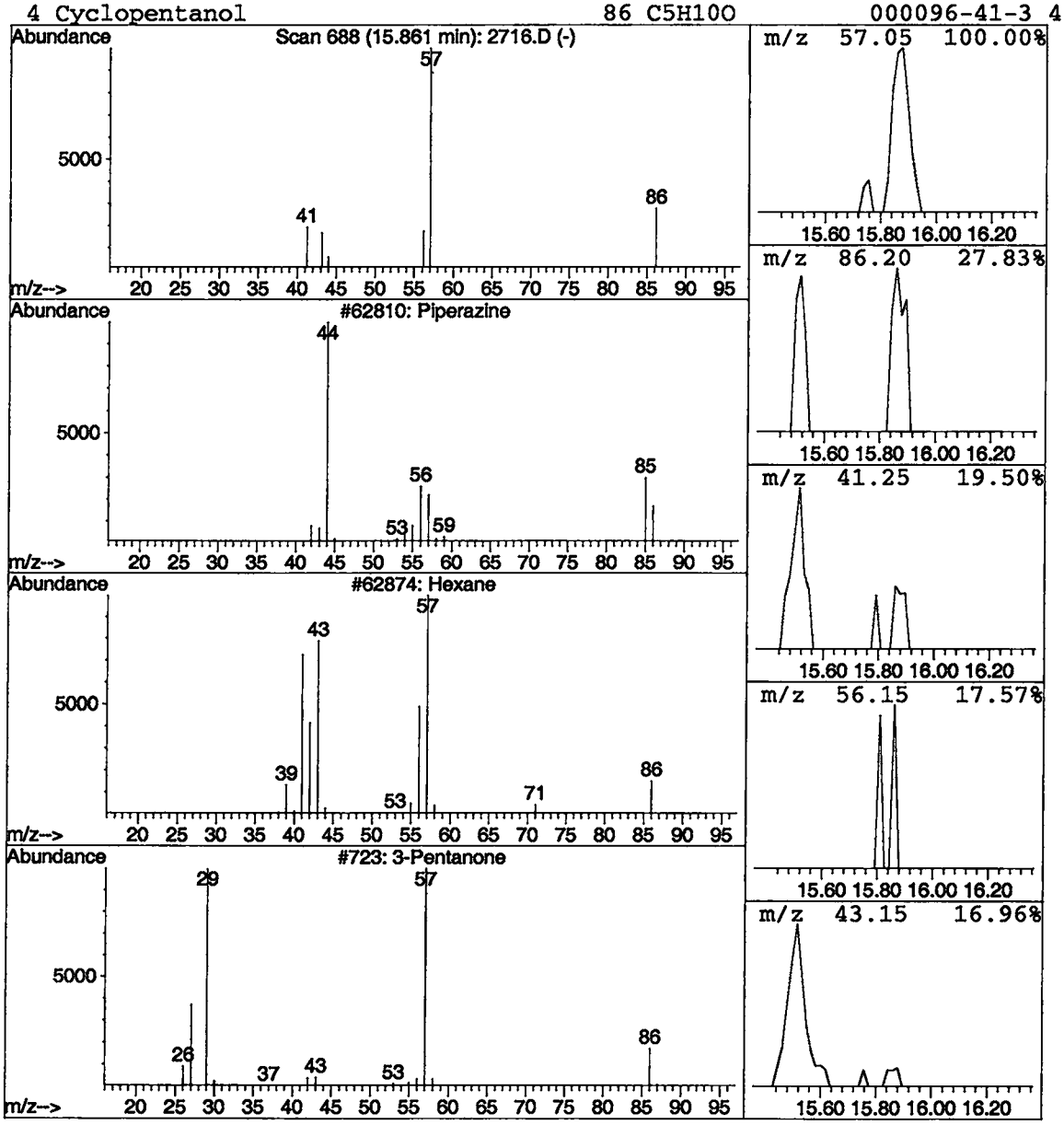
Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Piperazine Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.86	0.03 ug/L	41519	1,4-DIFLUOROBENZENE	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Piperazine	86	C4H10N2	000110-85-0	5
2	Hexane	86	C6H14	000110-54-3	5
3	3-Pentanone	86	C5H10O	000096-22-0	4
4	Cyclopentanol	86	C5H10O	000096-41-3	4



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02FEB11\2716.D
Acq On : 11 Feb 2002 9:15 pm
Sample : nyc 524
Misc :
MS Integration Params: LSCINT.P

Vial: 13
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

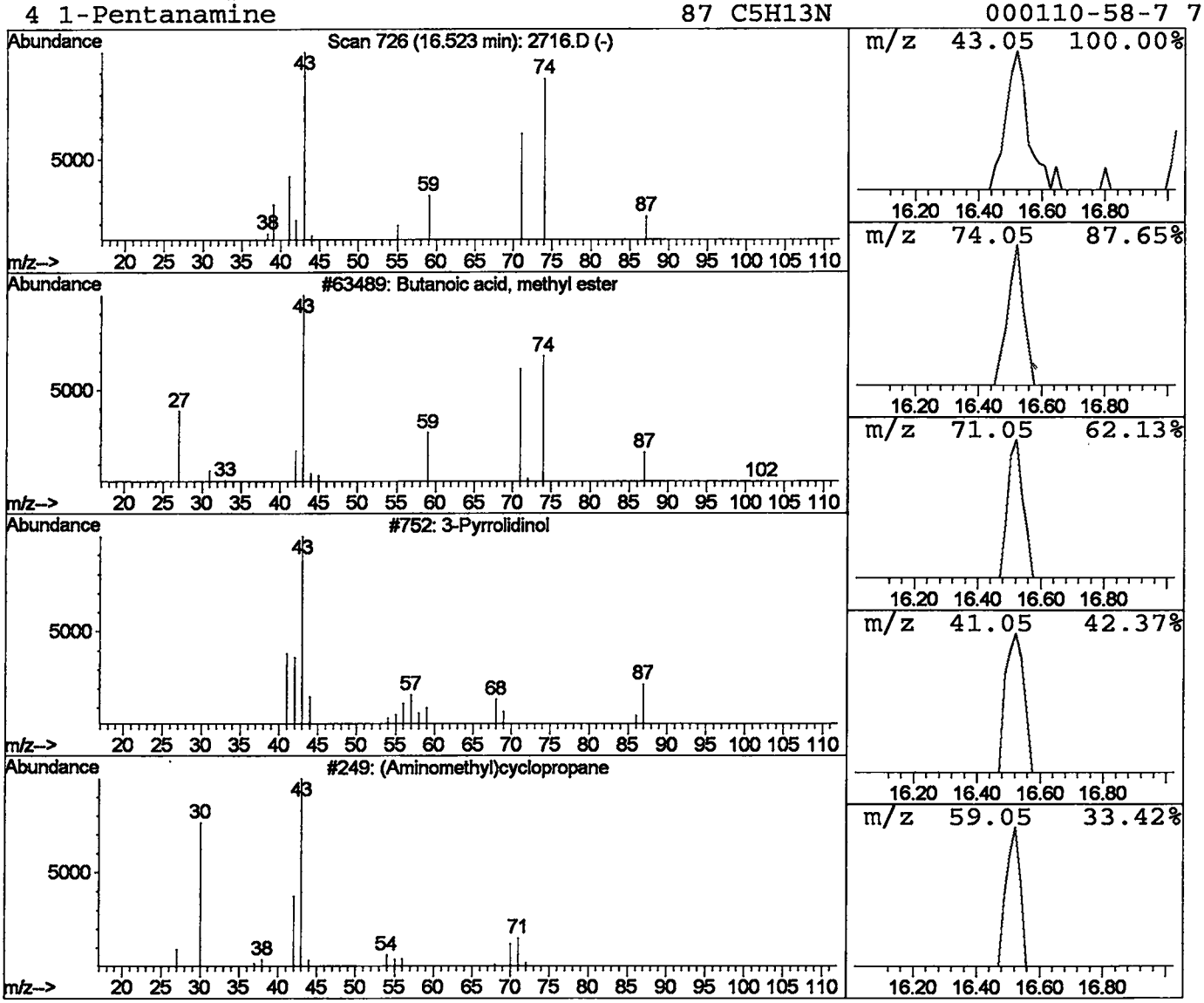
Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 5 Butanoic acid, methyl ester Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	0.07 ug/L	84475	1,4-DIFLUOROBENZENE	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, methyl ester	102	C5H10O2	000623-42-7	78
2	3-Pyrrolidinol	87	C4H9NO	040499-83-0	9
3	(Aminomethyl)cyclopropane	71	C4H9N	002516-47-4	7
4	1-Pentanamine	87	C5H13N	000110-58-7	7



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/15/2002 Time: 14:24:18

Sample: AE02715
Analysis: $F_524 Volatile Organic Compounds-Field Blank
Units: ug
Started: 2/11/02 00:09 Ended: 2/11/02 00:09 Analyst: BH
Result source: manual entry
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Surr_1,2-DICHLOROETHANE-		5.2		.5
2	Surr_4-BROMOFLUOROBENZE		4.8		.5
3	Dichlorodifluoromethane		< MDL		.5
4	Chloromethane		< MDL		.5
5	Vinyl chloride		< MDL		.5
6	Bromomethane		< MDL		.5
7	Chloroethane		< MDL		.5
8	Trichlorofluoromethane		< MDL		.5
9	1,1-Dichloroethene		< MDL		.5
10	Methylene Chloride		< MDL		.5
11	Methyl tert-butyl ether (MTBE)		< MDL		1.0
12	trans-1,2-dichloroethene		< MDL		.5
13	1,1-dichloroethane		< MDL		.5
14	2-butanone (MEK)		< MDL		2.0
15	2,2-dichloropropane		< MDL		.5
16	cis-1,2-dichloroethene		< MDL		.5
17	Chloroform		< MDL		.5
18	Bromochloromethane		< MDL		.5
19	1,2-dichloroethane		< MDL		.5
20	Surr_TOLUENE-D8		5.0		.5
21	1,1,1- trichloroethane		< MDL		.5
22	1,1-dichloropropene		< MDL		.5
23	Carbon tetrachloride		< MDL		.5
24	Benzene		< MDL		.5
25	Trichloroethene		< MDL		.5
26	1,2-dichloropropane		< MDL		.5
27	Dibromomethane		< MDL		.5
28	Bromodichloromethane		< MDL		.5
29	Methy iso-butyl ketone (MIBK)		< MDL		1.0
30	cis-1,3-dichloropropene		< MDL		.5
31	Toluene		< MDL		.5
32	trans-1,3-dichloropropene		< MDL		.5
33	1,1,2-trichloroethane		< MDL		.5
34	Tetrachloroethene		< MDL		.5
35	1,3-dichloropropane		< MDL		.5
36	Dibromochloromethane		< MDL		2.0
37	Chlorobenzene		< MDL		.5
38	1,1,1,2-tetrachloroethane		< MDL		.5
39	Ethylbenzene		< MDL		.5
40	P & M-xylene		< MDL		.5
41	O-xylene		< MDL		.5
42	Styrene		< MDL		.5
43	1,1,2,2-tetrachloroethane		< MDL		.5
44	Bromoform		< MDL		2.0
45	Isopropylbenzene		< MDL		.5
46	1,2,3-trichloropropane		< MDL		.5
47	N-propylbenzene		< MDL		.5
48	Bromobenzene		< MDL		.5

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/15/2002 Time: 14:24:18

Sample: AE02715
Analysis: $F_524 Volatile Organic Compounds-Field Blank
Units: ug
Started: 2/11/02 00:09 Ended: 2/11/02 00:09 Analyst: BH
Result source: manual entry
Page: 2

	Component Name	Vial	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		< MDL		.5
50	2-chlorotoluene		< MDL		.5
51	4-chlorotoluene		< MDL		.5
52	TERT-butylbenzene		< MDL		.5
53	1,2,4-trimethylbenzene		< MDL		.5
54	SEC-butylbenzene		< MDL		.5
55	P-isopropyltoluene		< MDL		.5
56	1,3-dichlorobenzene		< MDL		.5
57	1,4-dichlorobenzene		< MDL		.5
58	N-butylbenzene		< MDL		.5
59	1,2-dichlorobenzene		< MDL		.5
60	1,2,4-trichlorobenzene		< MDL		.5
61	Hexachlobutadiene		< MDL		.5
62	Naphthalene		< MDL		.5
63	1,2,3-trichlorobenzene		< MDL		.5

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02FEB11\2715FB.D Vial: 14
Acq On : 11 Feb 2002 9:58 pm Operator: 201-wb
Sample : nyc 524 field blank Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 15 13:29 2002 Quant Results File: HP021102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 14:40:09 2002
Response via : Initial Calibration
DataAcq Meth : HP021102

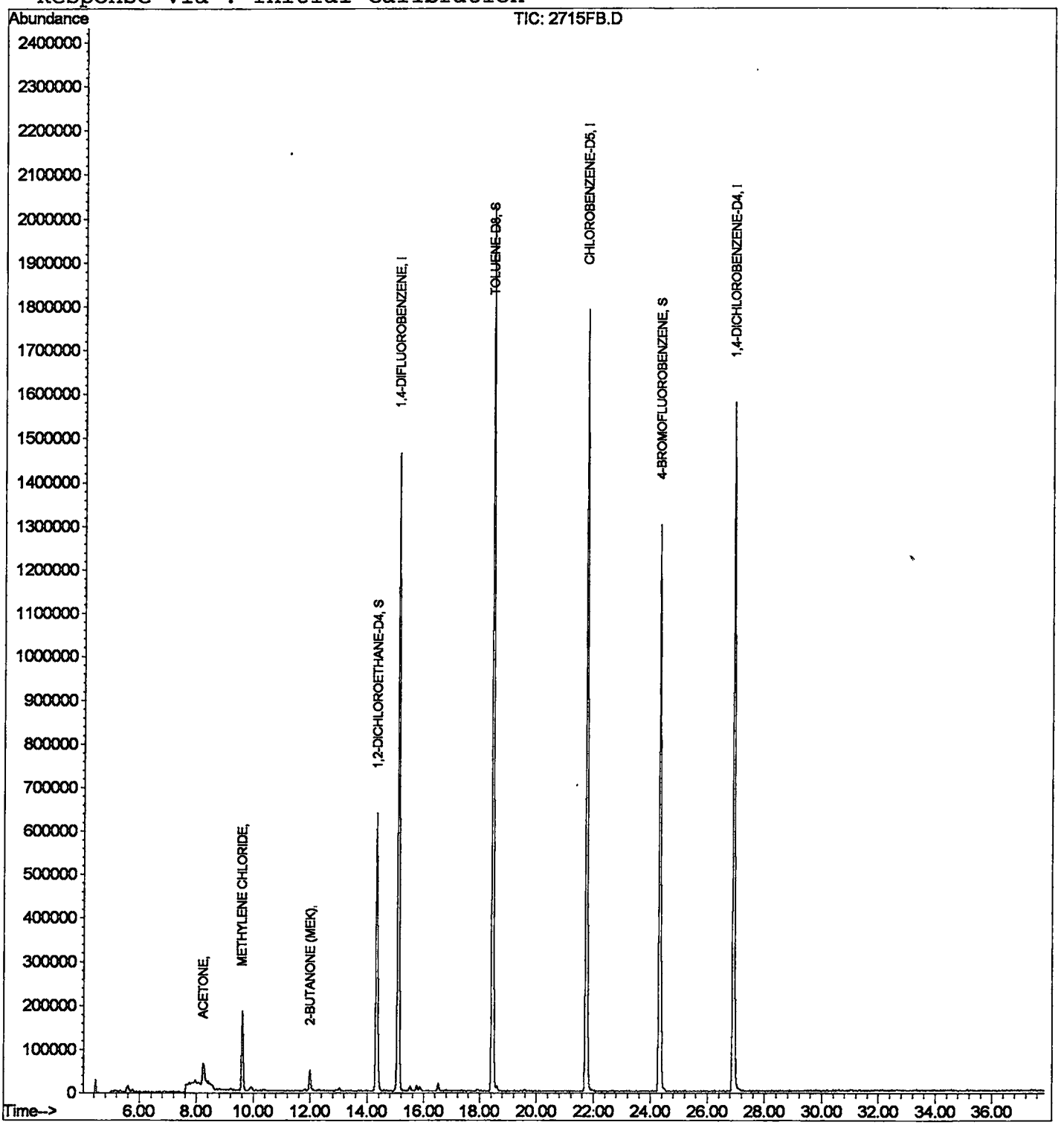
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.10	114	2134532	5.00	ug/L	-0.02
24) CHLOROBENZENE-D5	21.74	117	2106199	5.00	ug/L	-0.02
52) 1,4-DICHLOROBENZENE-D4	26.91	152	957633	5.00	ug/L	-0.03
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.33	65	846576	5.21	ug/L	-0.02
Spiked Amount 5.000			Recovery = 104.20%			
3) 4-BROMOFLUOROBENZENE	24.32	174	765592	4.77	ug/L	-0.03
Spiked Amount 5.000			Recovery = 95.40%			
25) TOLUENE-D8	18.44	98	2636095	5.05	ug/L	-0.03
Spiked Amount 5.000			Recovery = 101.00%			
Target Compounds						Qvalue
12) ACETONE	8.24	43	143817	9.80	ug/L	97
14) METHYLENE CHLORIDE	9.60	49	212141	~~1.72 ug~~	/L	96
18) 2-BUTANONE (MEK)	12.00	43	133908	~~3.94 ug~~	/L	97

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02FEB11\2715FB.D Vial: 14
Acq On : 11 Feb 2002 9:58 pm Operator: 201-wb
Sample : nyc 524 field blank Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Feb 15 13:29 2002 Quant Results File: HP021102.RES

Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Wed Feb 13 14:40:09 2002
Response via : Initial Calibration



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/15/2002 Time: 14:31:36

Sample: AE02714
Analysis: $C2524 Volatile Organic Compounds-Cal 2
Units: ug
Started: 2/11/02 00:00 Ended: 2/11/02 00:00 Analyst: BH
Result source: a:\0211c10a.rr
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Surr_1,2-DICHLOROETHANE-		5.2		.5
2	Surr_4-BROMOFLUOROBENZE		5.0		.5
3	Dichlorodifluoromethane		7.8		.5
4	Chloromethane		9.5		.5
5	Vinyl chloride		12		.5
6	Bromomethane		12		.5
7	Chloroethane		12		.5
8	Trichlorofluoromethane		12		.5
9	1,1-Dichloroethene		10		.5
10	Methylene Chloride		10		.5
11	Methyl tert-butyl ether (MTBE)		8.8		1.0
12	trans-1,2-dichloroethene		9.6		.5
13	1,1-dichloroethane		9.7		.5
14	2-butanone (MEK)		11		2.0
15	2,2-dichloropropane		8.6		.5
16	cis-1,2-dichloroethene		9.7		.5
17	Chloroform		9.9		.5
18	Bromochloromethane		9.9		.5
19	1,2-dichloroethane		10		.5
20	Surr_TOLUENE-D8		5.0		.5
21	1,1,1- trichloroethane		9.8		.5
22	1,1-dichloropropene		10		.5
23	Carbon tetrachloride		9.9		.5
24	Benzene		9.8		.5
25	Trichloroethene		10		.5
26	1,2-dichloropropane		10		.5
27	Dibromomethane		10		.5
28	Bromodichloromethane		10		.5
29	Methyl iso-butyl ketone		11		1.0
30	cis-1,3-dichloropropene		10		.5
31	Toluene		10		.5
32	trans-1,3-dichloropropene		10		.5
33	1,1,2-trichloroethane		10		.5
34	Tetrachloroethene		10		.5
35	1,3-dichloropropane		10		.5
36	Dibromochloromethane		10		2.0
37	Chlorobenzene		10		.5
38	1,1,1,2-tetrachloroethane		11		.5
39	Ethylbenzene		11		.5
40	P & M-xylene		20		.5
41	O-xylene		10		.5
42	Styrene		10		.5
43	1,1,2,2-tetrachloroethane		11		.5
44	Bromoform		11		2.0
45	Isopropylbenzene		11		.5
46	1,2,3-trichloropropane		11		.5
47	N-propylbenzene		10		.5
48	Bromobenzene		10		.5

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 02/15/2002 Time: 14:31:36

Sample: AE02714
Acquired: $C2524 Volatile Organic Compounds-Cal 2
Logging
Started: 2/11/02 00:00 Ended: 2/11/02 00:00 Analyst: BH
Result source: a:\0211c10a.rr
Page: 2

Component Name	Vial	Result	Qualifier	MDL
1,3,5-trimethylbenzene		10		.5
2-chlorotoluene		9.9		.5
4-chlorotoluene		11		.5
TERT-butylbenzene		10		.5
1,2,4-trimethylbenzene		10		.5
SEC-butylbenzene		10		.5
P-isopropyltoluene		10		.5
1,3-dichlorobenzene		10		.5
1,4-dichlorobenzene		10		.5
N-butylbenzene		10		.5
1,2-dichlorobenzene		10		.5
1,2,4-trichlorobenzene		10		.5
Hexachlobutadiene		10		.5
Naphthalene		10		.5
1,2,3-trichlorobenzene		10		.5
Nitrobenzene		190		5.0

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02feb11\0211C10A.D Vial: 4
Acq On : 11 Feb 2002 10:42 pm Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 11 23:20 2002 Quant Results File: HP021102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Feb 11 16:41:09 2002
Response via : Initial Calibration
DataAcq Meth : HP021102

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.10	114	2582313	5.00	ug/L	-0.02
24) CHLOROBENZENE-D5	21.74	117	2556145	5.00	ug/L	-0.02
52) 1,4-DICHLOROBENZENE-D4	26.91	152	1198103	5.00	ug/L	-0.03
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.33	65	1022106	5.20	ug/L	-0.02
Spiked Amount 5.000			Recovery = 104.00%			
3) 4-BROMOFLUOROBENZENE	24.32	174	971183	5.00	ug/L	-0.03
Spiked Amount 5.000			Recovery = 100.00%			
25) TOLUENE-D8	18.44	98	3194616	5.04	ug/L	-0.03
Spiked Amount 5.000			Recovery = 100.80%			
Target Compounds						Qvalue
4) DICHLORODIFLUOROMETHANE	4.85	85	784771	7.79	ug/L	99
5) CHLOROMETHANE	5.47	50	750818	9.48	ug/L	97
6) VINYL CHLORIDE	5.57	62	373708	12.03	ug/L	96
7) BROMOMETHANE	6.56	94	536248	11.65	ug/L	98
8) CHLOROETHANE	6.70	64	510874	11.58	ug/L	97
9) TRICHLOROFLUOROMETHANE	7.27	101	1023944	11.65	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	8.15	101	549719	8.36	ug/L	97
12) ACETONE	8.24	43	167407	9.43	ug/L	95
13) 1,1-DICHLOROETHENE	8.59	61	1235019	9.96	ug/L	99
14) METHYLENE CHLORIDE	9.60	49	1487696	10.01	ug/L	95
15) METHYL TERT BUTYL ETHER	9.91	73	1453811	8.82	ug/L	96
16) TRANS-1,2-DICHLOROETHENE	10.26	61	1523140	9.60	ug/L	94
17) 1,1-DICHLOROETHANE	11.16	63	1827011	9.74	ug/L	97
18) 2-BUTANONE (MEK)	11.98	43	464122	11.47	ug/L	97
19) 2,2-DICHLOROPROPANE	12.36	77	1299863	8.63	ug/L	99
20) CIS-1,2-DICHLOROETHENE	12.47	96	1035484	9.67	ug/L	99
21) CHLOROFORM	12.80	83	1873311	9.94	ug/L	99
22) BROMOCHLOROMETHANE	13.18	49	884763	9.88	ug/L	100
23) 1,2-DICHLOROETHANE	14.52	62	1263201	9.96	ug/L	97
26) 1,1,1-TRICHLOROETHANE	13.70	97	1402473	9.84	ug/L	98
27) 1,1-DICHLOROPROPENE	14.02	75	1466093	10.31	ug/L	99
28) CARBON TETRACHLORIDE	14.28	117	1150862	9.93	ug/L	99
29) BENZENE	14.63	78	3631604	9.84	ug/L	99
30) TRICHLOROETHENE	15.90	95	1114787	10.10	ug/L	97
31) 1,2-DICHLOROPROPANE	16.24	63	1078393	10.33	ug/L	94
32) DIBROMOMETHANE	16.92	174	503025	10.15	ug/L	99
33) BROMODICHLOROMETHANE	16.77	83	1368086	10.25	ug/L	100
34) 2-CHLOROETHYL VINYL ETHER	17.25	63	410730	10.65	ug/L	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02feb11\0211C10A.D Vial: 4
Acq On : 11 Feb 2002 10:42 pm Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 11 23:20 2002 Quant Results File: HP021102.RES

Quant Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Feb 11 16:41:09 2002
Response via : Initial Calibration
DataAcq Meth : HP021102

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
35)	METHYL ISO-BUTYL KETONE	17.32	58	211911	11.09 ug/L	98
36)	CIS-1,3-DICHLOROPROPENE	17.86	75	1482292	10.07 ug/L	99
37)	TOLUENE	18.61	91	3934445	10.19 ug/L	100
38)	TRANS-1,3-DICHLOROPROPENE	18.89	75	1087615	10.08 ug/L	99
39)	1,1,2-TRICHLOROETHANE	19.27	97	645609	10.32 ug/L	99
40)	TETRACHLOROETHENE	20.06	166	1071400	10.20 ug/L	93
41)	1,3-DICHLOROPROPANE	19.81	76	1267683	10.35 ug/L	99
42)	DIBROMOCHLOROMETHANE	20.49	129	779165	10.36 ug/L	99
43)	1,2-DIBROMOETHANE	20.94	107	688547	10.16 ug/L	98
44)	CHLOROBENZENE	21.83	112	2558426	10.39 ug/L	99
45)	1,1,1,2-TETRACHLOROETHANE	21.87	131	869984	10.54 ug/L	99
46)	2-HEXANONE	19.17	43	386053	10.06 ug/L	93
47)	ETHYLBENZENE	21.87	91	4678880	10.52 ug/L	98
48)	P & M-XYLENE	22.02	106	3096762	20.41 ug/L	98
49)	O-XYLENE	23.00	91	3618870	10.23 ug/L	99
50)	STYRENE	23.05	104	2599198	10.16 ug/L	99
51)	1,1,2,2-TETRACHLOROETHANE	24.08	83	735520	10.64 ug/L	99
53)	BROMOFORM	23.92	173	400786	10.73 ug/L	99
54)	ISOPROPYLBENZENE	23.73	105	4126122	10.63 ug/L	99
55)	1,2,3-TRICHLOROPROPANE	24.41	110	205622	10.77 ug/L	95
56)	N-PROPYLBENZENE	24.60	91	5322534	10.41 ug/L	97
57)	BROMOBENZENE	24.83	156	1016558	10.44 ug/L	94
58)	1,3,5-TRIMETHYLBENZENE	24.91	105	3419336	10.30 ug/L	100
59)	2-CHLOROTOLUENE	25.07	91	3255455	9.86 ug/L	100
60)	4-CHLOROTOLUENE	25.16	91	3202517	10.85 ug/L	95
61)	TERT-BUTYLBENZENE	25.70	119	3128597	10.47 ug/L	97
62)	1,2,4-TRIMETHYLBENZENE	25.80	105	3581472	10.29 ug/L	96
63)	SEC-BUTYLBENZENE	26.17	105	4409627	10.35 ug/L	99
64)	P-ISOPROPYLTOLUENE	26.41	119	3326991	10.29 ug/L	98
65)	1,3-DICHLOROBENZENE	26.78	146	1891373	10.32 ug/L	97
66)	1,4-DICHLOROBENZENE	26.98	146	1889152	10.10 ug/L	100
67)	N-BUTYLBENZENE	27.30	91	3528798	10.14 ug/L	99
68)	1,2-DICHLOROBENZENE	27.84	146	1645834	10.41 ug/L	98
69)	1,2-DIBROMO-3-CHLOROPROPAN	29.63	157	95319	10.99 ug/L	91
70)	1,2,4-TRICHLOROBENZENE	31.91	180	1055467	10.42 ug/L	98
71)	HEXACHLOROBUTADIENE	32.22	225	492657	9.99 ug/L	97
72)	NAPHTHALENE	32.76	128	1367553	10.05 ug/L	97
73)	1,2,3-TRICHLOROBENZENE	33.46	180	837025	10.32 ug/L	99
74)	NITROBENZENE	29.84	77	318996	185.29 ug/L	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02feb11\0211C10A.D Vial: 4
Acq On : 11 Feb 2002 10:42 pm Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Feb 11 23:20 2002 Quant Results File: HP021102.RES

Method : C:\HPCHEM\1\METHODS\HP021102.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Feb 11 15:54:13 2002
Response via : Initial Calibration