NYC 9/11 Public Portal Document

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/28/2002 Time: 12:12:33

Sample: AE12279
Analysis: $B1524 Volatile Organic Compounds-Blank
Units: ug
Started: 5/23/02 12:11 Ended: 5/23/02 12:11 Analyst: BH
Result source: manual entry
Page: 1

	Component Name	Viol	Result
1	Surr - 1,2-DICHLOROETHANE-		5.0
2	Surr - 4-BROMOFLUOROBENZ		5.4
3	DICHLORODIFLUOROMETHAN		< MRL
4	CHLOROMETHANE		< MRL
5	VINYL CHLORIDE		< MRL
6	BROMOMETHANE		< MRL
7	CHLOROETHANE		< MRL
8	TRICHLOROFLUOROMETHANE		< MRL
9	ACETONE		< MRL
10	1,1-DICHLOROETHENE		< MRL
11	METHYLENE CHLORIDE		< MRL
12	METHYL TERT BUTYL ETHER		< MRL
13	TRANS-1,2-DICHLOROETHEN		< MRL
14	1,1-DICHLOROETHANE		< MRL
15	2-BUTANONE (MEK)		< MRL
16	2,2-DICHLOROPROPANE		< MRL
17	CIS,1,2-DICHLOROETHENE		< MRL
18	CHLOROFORM		< MRL
19	BROMOCHLOROMETHANE		< MRL
20	1,2-DICHLOROETHANE		< MRL
21	Surr - TOLUENE-D8		4.8
22	1,1,1-TRICHLOROETHANE		< MRL
23	1,1-DICHLOROPROPENE		< MRL
24	CARBON TETRACHLORIDE		< MRL
25	BENZENE		< MRL
26	TRICHLOROETHENE		< MRL
27	1,2-DICHLOROPROPANE		< MRL
28	DIBROMOMETHANE		< MRL
29	BROMODICHLOROMETHANE		< MRL
30	2-CHLOROETHYL VINYL ETHE		< MRL
31	MIBK		< MRL
32	CIS-1,3-DICHLOROPROPENE		< MRL
33	TOLUENE		< MRL
34	TRANS-1,3-DICHLOROPROPE		< MRL
35	1,1,2-TRICHLOROETHANE		< MRL
36	TETRACHLOROETHENE		< MRL
37	1,3-DICHLOROPROPANE		< MRL
38	DIBROMOCHLOROMETHANE		< MRL
39	1,2-DIBROMOETHANE		< MRL
40	CHLOROBENZENE		< MRL
41	1,1,1,2-TETRACHLOROETHA		< MRL
42	2-HEXANONE		< MRL
43	ETHYLBENZENE		< MRL
44	P & M-XYLENE		< MRL
45	O-XYLENE		< MRL
46	STYRENE		< MRL
47	1,1,2,2-TETRACHLOROETHA		< MRL
48	BROMOFORM		< MRL

Reviewed by, 8/12/02

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Units: ug
Started: 5/23/02 12:11 Ended: 5/23/02 12:11 Analyst: BH
Result source: manual entry
Page: 2

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

NYC 9/11 Public Portal Document

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAY23\0523B1.D Vial: 1
Acq On : 23 May 2002 8:55 am Operator: 201-wb
Sample : lab blank 1 (voc di) Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 28 8:37 2002 Quant Results File: HP051702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 10:09:12 2002
Response via : Initial Calibration
DataAcq Meth : HP052102

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.05	114	1452989	5.00	ug/L	0.02
24) CHLOROBENZENE-D5	21.71	117	1340397	5.00	ug/L	0.00
52) 1,4-DICHLOROBENZENE-D4	26.90	152	643598	5.00	ug/L	0.02
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.28	65	705866	4.97	ug/L	0.02
Spiked Amount 5.000			Recovery =	99.40%		
3) 4-BROMOFLUOROBENZENE	24.30	174	553785	5.40	ug/L	0.00
Spiked Amount 5.000			Recovery =	108.00%		
25) TOLUENE-D8	18.40	98	1767709	4.83	ug/L	0.00
Spiked Amount 5.000			Recovery =	96.60%		
Target Compounds						Qvalue
12) ACETONE	8.22	43	12847	1.00	ug/L	95
14) METHYLENE CHLORIDE	9.55	49	7717	0.08	ug/L	94

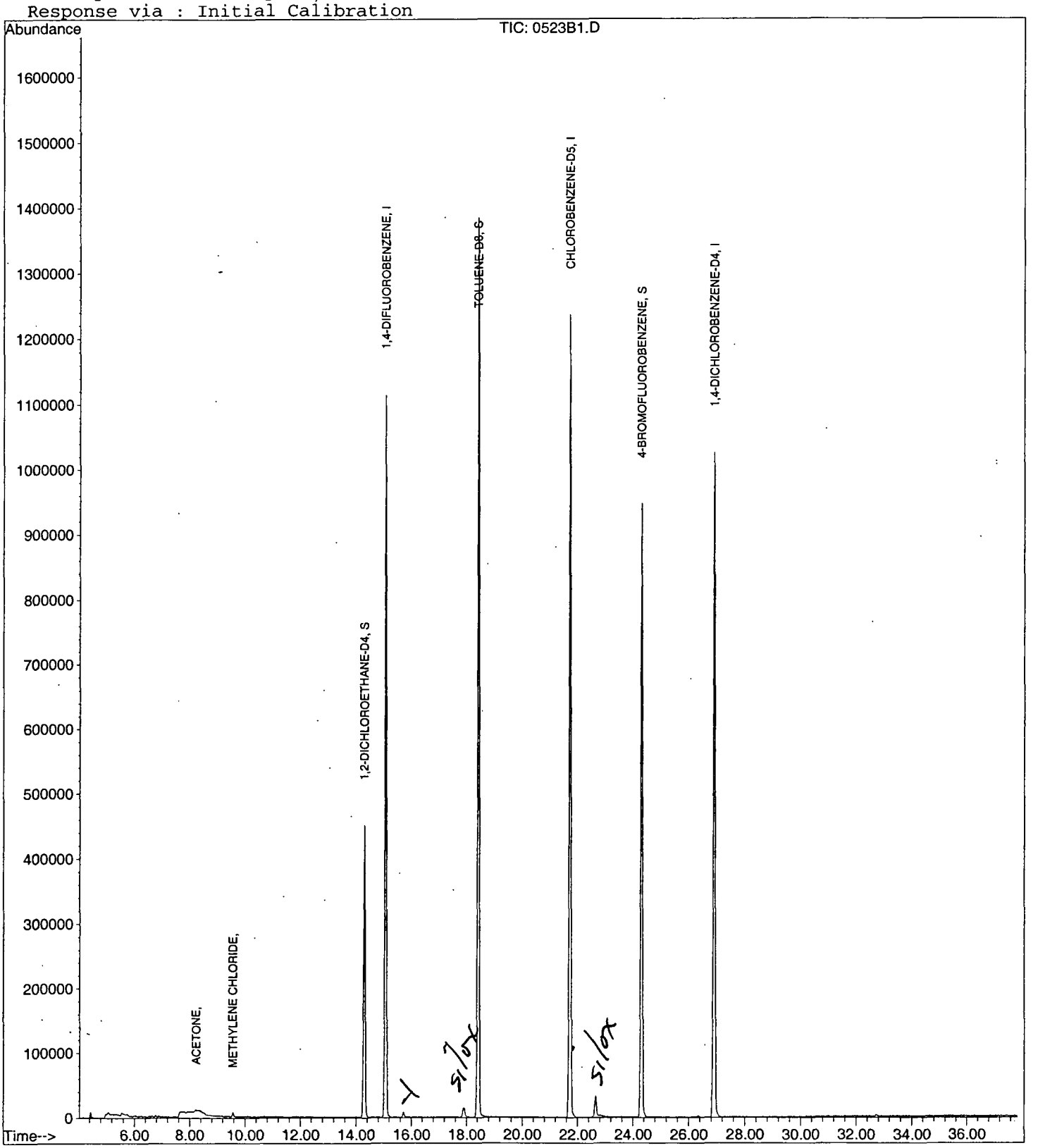
(#) = qualifier out of range (m) = manual integration
0523B1.D HP051702.M Tue May 28 08:37:43 2002 Page 1

NYC-WTC_000083566

NYC 9/11 Public Portal Document

Data File : C:\HPCHEM\1\DATA\02MAY23\0523B1.D Vial: 1
Acq On : 23 May 2002 8:55 am Operator: 201-wb
Sample : lab blank 1 (voc di) Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 28 8:37 2002 Quant Results File: HP051702.RES

Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration



NYC-WTC_000083567

NYC 9/11 Public Portal Document

Data File : C:\HPCHEM\1\DATA\02MAY23\0523B1.D Vial: 1
Acq On : 23 May 2002 8:55 am Operator: 201-wb
Sample : lab blank 1 (voc di) Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

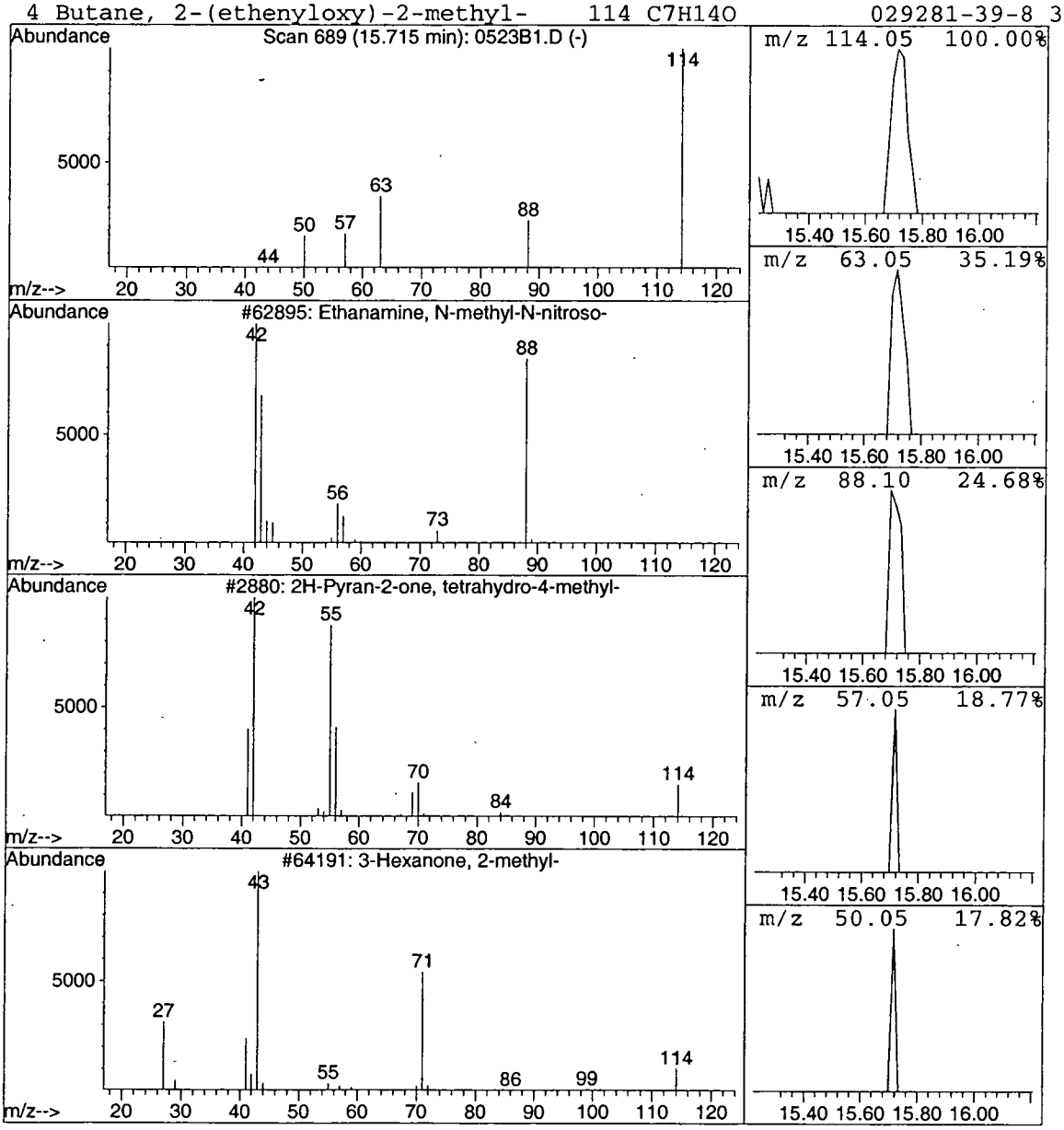
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Ethanamine, N-methyl-N-nitroso Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	0.03 ug/L	27714	1,4-DIFLUOROBENZENE	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanamine, N-methyl-N-nitroso-	88	C3H8N2O	010595-95-6	3
2	2H-Pyran-2-one, tetrahydro-4-methyl	114	C6H10O2	001121-84-2	3
3	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	3
4	Butane, 2-(ethenyloxy)-2-methyl-	114	C7H14O	029281-39-8	3



NYC-WTC_000083568

NYC 9/11 Public Portal Document

Data File : C:\HPCHEM\1\DATA\02MAY23\0523B1.D Vial: 1
Acq On : 23 May 2002 8:55 am Operator: 201-wb
Sample : lab blank 1 (voc di) Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

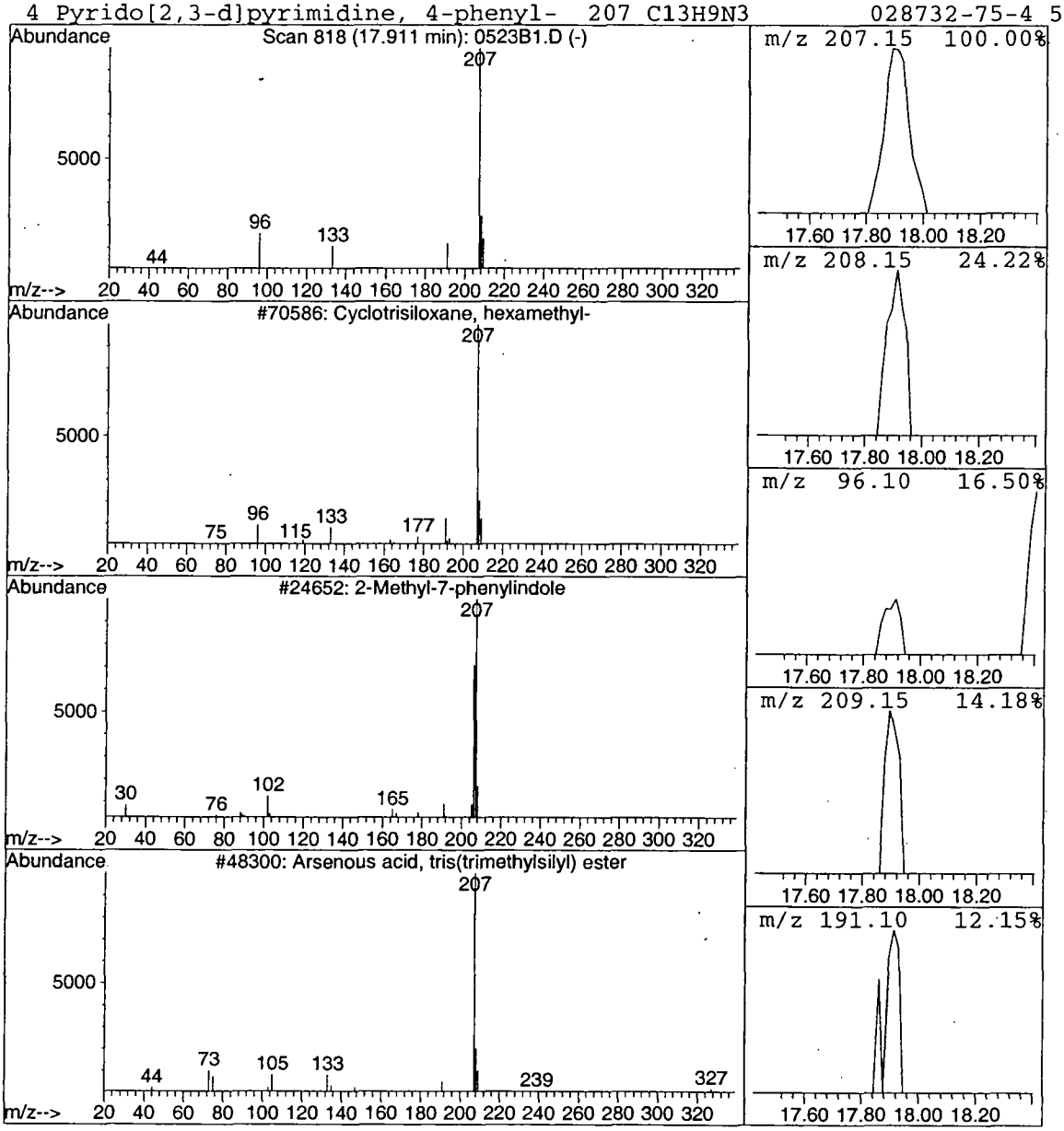
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Cyclotrisiloxane, hexamethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	0.09 ug/L	77957	1,4-DIFLUOROBENZENE	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	74
2	2-Methyl-7-phenylindole	207	C15H13N	000000-00-0	9
3	Arsenous acid, tris(trimethylsilyl)	342	C9H27AsO3Si3	055429-29-3	9
4	Pyrido[2,3-d]pyrimidine, 4-phenyl-	207	C13H9N3	028732-75-4	5



NYC-WTC_000083569

NYC 9/11 Public Portal Document

Data File : C:\HPCHEM\1\DATA\02MAY23\0523B1.D Vial: 1
Acq On : 23 May 2002 8:55 am Operator: 201-wb
Sample : lab blank 1 (voc di) Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

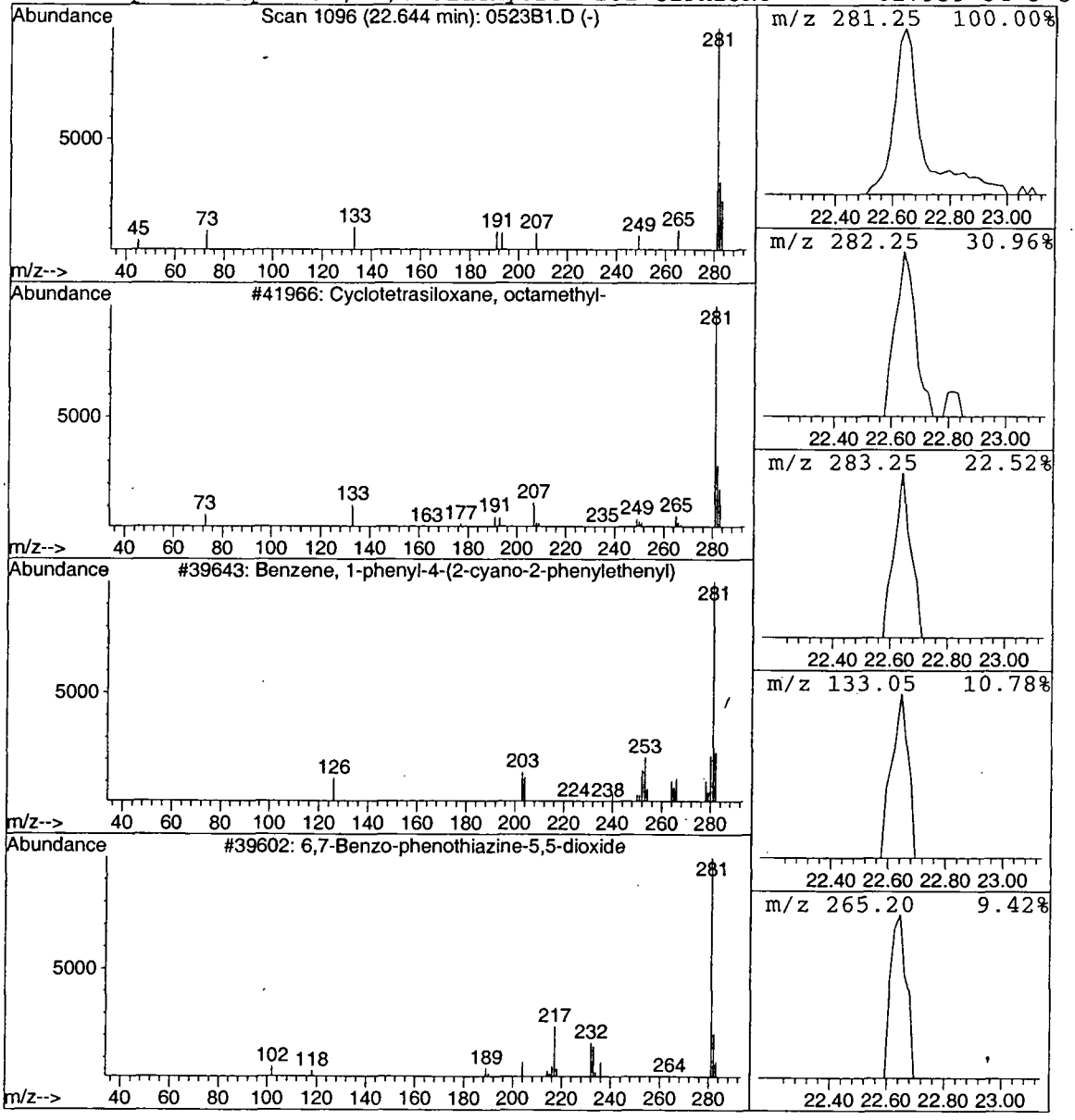
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Cyclotetrasiloxane, octamethyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.64	0.16 ug/L	159072	CHLOROBENZENE-D5	21.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	74
2	Benzene, 1-phenyl-4-(2-cyano-2-phen	281	C21H15N	027869-56-3	9
3	6,7-Benzo-phenothiazine-5,5-dioxide	281	C16H11NO2S	000000-00-0	5
4	14.alpha.-Morphinan, 7,8-didehydro-	281	C19H23NO	017939-34-3	5



NYC-WTC_000083570

NYC 9/11 Public Portal Document

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/31/2002 Time: 11:45:10

Sample: AE12279
Analysis: $C1524 Volatile Organic Compounds-Cal 1
Units: ug
Started: 5/23/02 00:00 Ended: 5/23/02 00:00 Analyst: BH
Result source: manual entry
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Surr_1,2-DICHLOROETHANE-		4.4		.5
2	Surr_4-BROMOFLUOROBENZE		5.4		.5
3	Dichlorodifluoromethane		8.9		.5
4	Chloromethane		10		.5
5	Vinyl chloride		10		.5
6	Bromomethane		11		.5
7	Chloroethane		11		.5
8	Trichlorofluoromethane		10		.5
9	1,1-Dichloroethene		11		.5
10	Methylene Chloride		11		.5
11	Methyl tert-butyl ether		8.7		1.0
12	trans-1,2-dichloroethene		12		.5
13	1,1-dichloroethane		12		.5
14	2-butanone (MEK)		37		2.0
15	2,2-dichloropropane		11		.5
16	cis-1,2-dichloroethene		11		.5
17	Chloroform		11		.5
18	Bromochloromethane		11		.5
19	1,2-dichloroethane		11		.5
20	Surr_TOLUENE-D8		4.8		.5
21	1,1,1- trichloroethane		9.6		.5
22	1,1-dichloropropene		11		.5
23	Carbon tetrachloride		10		.5
24	Benzene		11		.5
25	Trichloroethene		11		.5
26	1,2-dichloropropane		10		.5
27	Dibromomethane		9.5		.5
28	Bromodichloromethane		9.9		.5
29	Methyl iso-butyl ketone		38		1.0
30	cis-1,3-dichloropropene		10		.5
31	Toluene		11		.5
32	trans-1,3-dichloropropene		8.7		.5
33	1,1,2-trichloroethane		9.8		.5
34	Tetrachloroethene		11		.5
35	1,3-dichloropropane		10		.5
36	Dibromochloromethane		10		2.0
37	Chlorobenzene		11		.5
38	1,1,1,2-tetrachloroethane		10		.5
39	Ethylbenzene		11		.5
40	P & M-xylene		22		.5
41	O-xylene		11		.5
42	Styrene		11		.5
43	1,1,2,2-tetrachloroethane		9.8		.5
44	Bromoform		12		2.0
45	Isopropylbenzene		12		.5
46	1,2,3-trichloropropane		9.7		.5
47	N-propylbenzene		11		.5
48	Bromobenzene		11		.5

NYC 9/11 Public Portal Document

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/31/2002 Time: 11:45:10

Sample: AE12279
Analysis: $C1524 Volatile Organic Compounds-Cal 1
Units: ug
Started: 5/23/02 00:00 Ended: 5/23/02 00:00 Analyst: BH
Result source: manual entry
Page: 2

	Component Name	Viol	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		11		.5
50	2-chlorotoluene		12		.5
51	4-chlorotoluene		8.9		.5
52	TERT-butylbenzene		12		.5
53	1,2,4-trimethylbenzene		11		.5
54	SEC-butylbenzene		11		.5
55	P-isopropyltoluene		11		.5
56	1,3-dichlorobenzene		11		.5
57	1,4-dichlorobenzene		11		.5
58	N-butylbenzene		12		.5
59	1,2-dichlorobenzene		11		.5
60	1,2,4-trichlorobenzene		10		.5
61	Hexachlobutadiene		12		.5
62	Naphthalene		7.3		.5
63	1,2,3-trichlorobenzene		9.8		.5
64	Nitrobenzene		180		5.0

NYC 9/11 Public Portal Document

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAY23\0523C10.D Vial: 2
Acq On : 23 May 2002 10:53 am Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 31 11:43 2002 Quant Results File: HP051702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri May 31 11:43:42 2002
Response via : Initial Calibration
DataAcq Meth : HP051702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.05	114	1471147	5.00	ug/L	0.02
24) CHLOROBENZENE-D5	21.71	117	1381515	5.00	ug/L	0.00
52) 1,4-DICHLOROBENZENE-D4	26.90	152	670263	5.00	ug/L	0.02
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.29	65	636058	4.43	ug/L	0.02
Spiked Amount 5.000			Recovery =	88.60%		
3) 4-BROMOFLUOROBENZENE	24.30	174	556054	5.36	ug/L	0.00
Spiked Amount 5.000			Recovery =	107.20%		
25) TOLUENE-D8	18.41	98	1816069	4.81	ug/L	0.00
Spiked Amount 5.000			Recovery =	96.20%		
Target Compounds						Qvalue
4) DICHLORODIFLUOROMETHANE	4.85	85	497756	8.93	ug/L	99
5) CHLOROMETHANE	5.35	50	920376	10.45	ug/L	98
6) VINYL CHLORIDE	5.57	62	461183	10.36	ug/L	99
7) BROMOMETHANE	6.54	94	274944	11.43	ug/L	99
8) CHLOROETHANE	6.69	64	469829	10.68	ug/L	99
9) TRICHLOROFLUOROMETHANE	7.25	101	831111	10.10	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	8.14	101	455198	9.68	ug/L	97
12) ACETONE	8.21	43	319543	24.53	ug/L	100
13) 1,1-DICHLOROETHENE	8.56	61	1205623	11.40	ug/L	100
14) METHYLENE CHLORIDE	9.57	49	1068440	11.08	ug/L	97
15) METHYL TERT BUTYL ETHER	9.88	73	652651	8.73	ug/L	98
16) TRANS-1,2-DICHLOROETHENE	10.23	61	1296076	12.09	ug/L	93
17) 1,1-DICHLOROETHANE	11.12	63	1385074	11.93	ug/L	100
18) 2-BUTANONE (MEK)	11.95	43	365138	37.32	ug/L	94
19) 2,2-DICHLOROPROPANE	12.34	77	1011086	10.74	ug/L	99
20) CIS-1,2-DICHLOROETHENE	12.43	96	698137	11.08	ug/L	96
21) CHLOROFORM	12.77	83	1338010	10.77	ug/L	100
22) BROMOCHLOROMETHANE	13.14	49	548986	11.24	ug/L	96
23) 1,2-DICHLOROETHANE	14.49	62	977490	10.53	ug/L	99
26) 1,1,1-TRICHLOROETHANE	13.66	97	1079591	9.61	ug/L	99
27) 1,1-DICHLOROPROPENE	13.98	75	1143954	10.94	ug/L	99
28) CARBON TETRACHLORIDE	14.25	117	922862	9.98	ug/L	98
29) BENZENE	14.59	78	2443952	10.82	ug/L	100
30) TRICHLOROETHENE	15.85	95	795399	10.57	ug/L	94
31) 1,2-DICHLOROPROPANE	16.23	63	638157	10.47	ug/L	99
32) DIBROMOMETHANE	16.89	174	280207	9.49	ug/L	98
33) BROMODICHLOROMETHANE	16.74	83	880244	9.93	ug/L	99
34) 2-CHLOROETHYL VINYL ETHER	17.21	63	158333	13.47	ug/L	98
35) METHYL ISO-BUTYL KETONE	17.30	58	293206	38.40	ug/L	98
36) CIS-1,3-DICHLOROPROPENE	17.83	75	893332	10.41	ug/L	99
37) TOLUENE	18.59	91	2521414	10.94	ug/L	98
38) TRANS-1,3-DICHLOROPROPENE	18.86	75	624859	8.72	ug/L	100
39) 1,1,2-TRICHLOROETHANE	19.26	97	347887	9.80	ug/L	97
40) TETRACHLOROETHENE	20.04	166	765953	11.27	ug/L	96
41) 1,3-DICHLOROPROPANE	19.78	76	692412	10.04	ug/L	97
42) DIBROMOCHLOROMETHANE	20.47	129	435186	10.13	ug/L	93
43) 1,2-DIBROMOETHANE	20.92	107	353846	9.57	ug/L	99
44) CHLOROBENZENE	21.81	112	1546214	11.07	ug/L	99
45) 1,1,1,2-TETRACHLOROETHANE	21.84	131	556699	10.32	ug/L	97
46) 2-HEXANONE	19.14	43	540646	36.99	ug/L	99
47) ETHYLBENZENE	21.84	91	3049872	11.23	ug/L	100

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

NYC-WTC_000083573

NYC 9/11 Public Portal Document

Data File : C:\HPCHEM\1\DATA\02MAY23\0523C10.D Vial: 2
Acq On : 23 May 2002 10:53 am Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 31 11:43 2002 Quant Results File: HP051702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri May 31 11:43:42 2002
Response via : Initial Calibration
DataAcq Meth : HP051702

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
48)	P & M-XYLENE	22.00	106	1960935	22.50	ug/L	96
49)	O-XYLENE	22.97	91	2299109	10.86	ug/L	97
50)	STYRENE	23.04	104	1475527	10.95	ug/L	99
51)	1,1,2,2-TETRACHLOROETHANE	24.06	83	340760	9.78	ug/L	100
53)	BROMOFORM	23.89	173	201297	11.68	ug/L	96
54)	ISOPROPYLBENZENE	23.70	105	2616277	11.78	ug/L	99
55)	1,2,3-TRICHLOROPROPANE	24.38	110	104169	9.73	ug/L	91
56)	N-PROPYLBENZENE	24.57	91	3343800	11.44	ug/L	100
57)	BROMOBENZENE	24.81	156	601242	11.09	ug/L	90
58)	1,3,5-TRIMETHYLBENZENE	24.89	105	2259525	11.32	ug/L	98
59)	2-CHLOROTOLUENE	25.05	91	2429541	11.94	ug/L	99
60)	4-CHLOROTOLUENE	25.13	91	1803900	8.86	ug/L	98
61)	TERT-BUTYLBENZENE	25.67	119	2043103	11.53	ug/L	99
62)	1,2,4-TRIMETHYLBENZENE	25.78	105	2307104	11.20	ug/L	98
63)	SEC-BUTYLBENZENE	26.13	105	2787845	11.44	ug/L	100
64)	P-ISOPROPYLTOLUENE	26.39	119	2189768	11.42	ug/L	98
65)	1,3-DICHLOROBENZENE	26.75	146	1106068	10.90	ug/L	99
66)	1,4-DICHLOROBENZENE	26.97	146	1098543	10.69	ug/L	99
67)	N-BUTYLBENZENE	27.28	91	2331967	11.72	ug/L	99
68)	1,2-DICHLOROBENZENE	27.82	146	897958	10.69	ug/L	95
69)	1,2-DIBROMO-3-CHLOROPROPAN	29.61	157	42199	10.26	ug/L	91
70)	1,2,4-TRICHLOROBENZENE	31.89	180	583084	10.50	ug/L	98
71)	HEXACHLOROBUTADIENE	32.21	225	524509	12.25	ug/L	98
72)	NAPHTHALENE	32.74	128	318700	7.34	ug/L	100
73)	1,2,3-TRICHLOROBENZENE	33.44	180	417312	9.78	ug/L	99
74)	NITROBENZENE	29.83	77	163582	179.21	ug/L	99

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

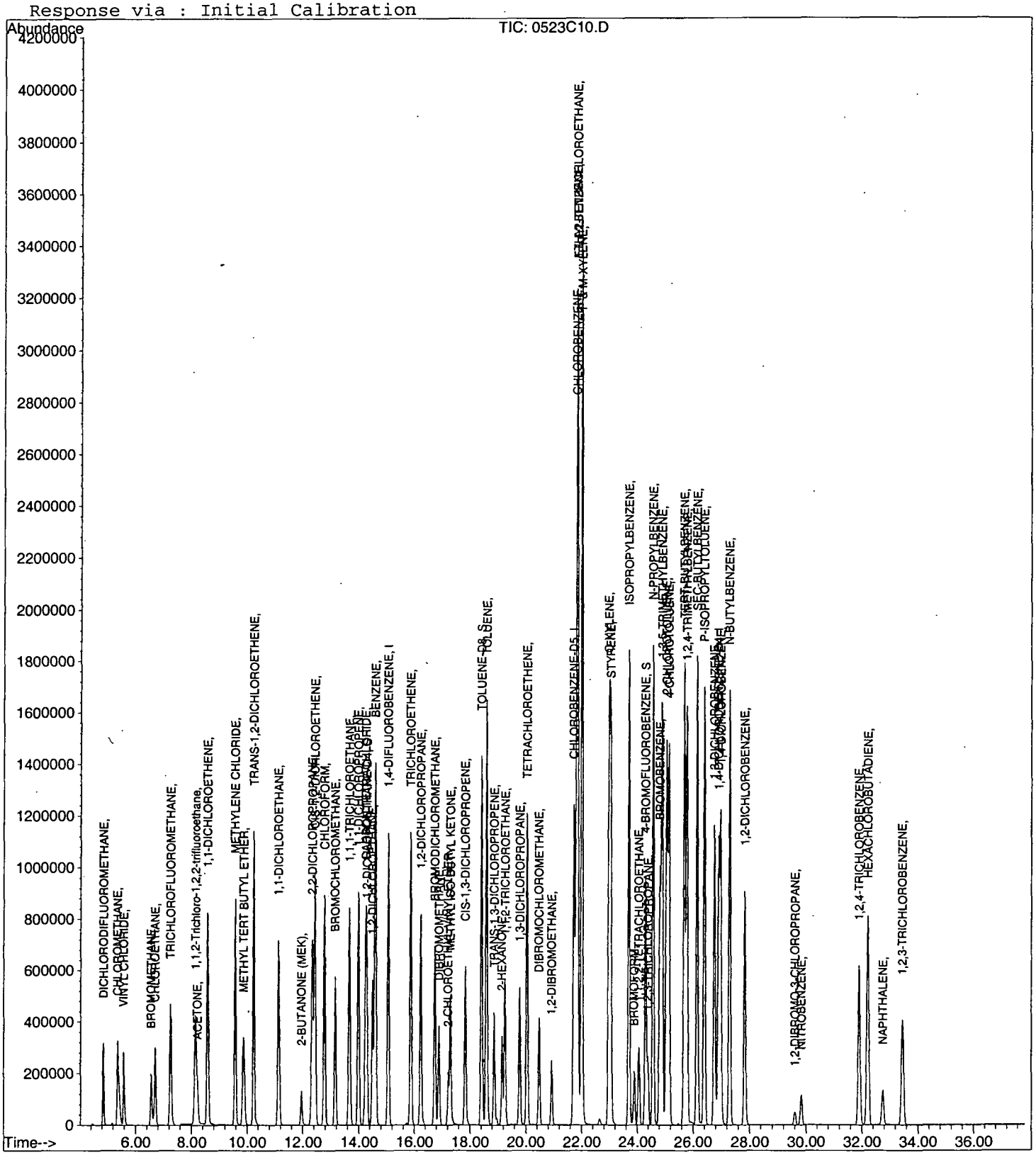
NYC-WTC_000083574

NYC 9/11 Public Portal Document

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02MAY23\0523C10.D Vial: 2
Acq On : 23 May 2002 10:53 am Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 31 11:43 2002 Quant Results File: HP051702.RES

Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration



NYC-WTC_000083575

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/31/2002 Time: 11:51:51

Sample: AE12279
Analysis: $RE524 Reference recovery for 524
Units: ug
Started: 5/23/02 00:02 Ended: 5/23/02 00:02 Analyst: BH
Result source: manual entry
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	1,2-DICHLOROETHANE-D4		4.5		
2	4-BROMOFLUOROBENZENE		5.5		
3	DICHLORODIFLUOROMETHAN		5.4		.5
4	CHLOROMETHANE		5.9		.5
5	VINYL CHLORIDE		6.4		.5
6	BROMOMETHANE		6.5		.5
7	CHLOROETHANE		6.0		.5
8	TRICHLOROFLUOROMETHAN		4.7		.5
9	ACETONE		14		.5
10	1,1-DICHLOROETHENE		5.3		.5
11	METHYLENE CHLORIDE		5.7		.5
12	METHYL TERT BUTYL ETHER		4.6		1
13	TRANS-1,2-DICHLOROETHEN		5.9		.5
14	1,1-DICHLOROETHANE		5.8		.5
15	2-BUTANONE (MEK)		20		.5
16	2,2-DICHLOROPROPANE		5.2		.5
17	CIS-1,2-DICHLOROETHENE		5.7		.5
18	CHLOROFORM		5.3		.5
19	BROMOCHLOROMETHANE		5.9		.5
20	1,2-DICHLOROETHANE		5.3		.5
21	TOLUENE-D8		4.8		
22	1,1,1-TRICHLOROETHANE		4.6		.5
23	1,1-DICHLOROPROPENE		5.3		.5
24	CARBON TETRACHLORIDE		4.7		.5
25	BENZENE		5.4		.5
26	TRICHLOROETHENE		5.1		.5
27	1,2-DICHLOROPROPANE		5.5		.5
28	DIBROMOMETHANE		4.8		.5
29	BROMODICHLOROMETHANE		4.8		.5
30	2-CHLOROETHYL VINYL ETHE		6.6		.5
31	METHYL ISO-BUTYL KETONE		20		1
32	CIS-1,3-DICHLOROPROPENE		5.0		.5
33	TOLUENE		5.5		.5
34	TRANS-1,3-DICHLOROPROPE		4.1		.5
35	1,1,2-TRICHLOROETHANE		5.1		.5
36	TETRACHLOROETHENE		5.6		.5
37	1,3-DICHLOROPROPANE		5.2		.5
38	DIBROMOCHLOROMETHANE		4.9		2
39	1,2-DIBROMOETHANE		4.8		.5
40	CHLOROBENZENE		5.6		.5
41	1,1,1,2-TETRACHLOROETHA		5.2		.5
42	2-HEXANONE		19		.5
43	ETHYLBENZENE		5.6		.5
44	P & M-XYLENE		11		.5
45	O-XYLENE		5.5		.5
46	STYRENE		5.5		.5
47	1,1,2,2-TETRACHLOROETHA		5.2		.5
48	BROMOFORM		5.2		2

NYC 9/11 Public Portal Document

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/31/2002 Time: 11:51:51

Sample: AE12279
Analysis: $RE524 Reference recovery for 524
Units: ug
Started: 5/23/02 00:02 Ended: 5/23/02 00:02 Analyst: BH
Result source: manual entry
Page: 2

	Component Name	Viol.	Result	Qualifier	MDL
49	ISOPROPYLBENZENE		5.7		.5
50	1,2,3-TRICHLOROPROPANE		5.2		.5
51	N-PROPYLBENZENE		5.5		.5
52	BROMOBENZENE		5.5		.5
53	1,3,5-TRIMETHYLBENZENE		5.5		.5
54	2-CHLOROTOLUENE		5.5		.5
55	4-CHLOROTOLUENE		4.8		.5
56	TERT-BUTYLBENZENE		5.6		.5
57	1,2,4-TRIMETHYLBENZENE		5.5		.5
58	SEC-BUTYLBENZENE		5.6		.5
59	P-ISOPROPYLTOLUENE		5.6		.5
60	1,3-DICHLOROBENZENE		5.5		.5
61	1,4-DICHLOROBENZENE		5.4		.5
62	N-BUTYLBENZENE		5.7		.5
63	1,2-DICHLOROBENZENE		5.4		.5
64	1,2-DIBROMO-3-CHLOROPRO		5.2		.5
65	1,2,4-TRICHLOROBENZENE		5.4		.5
66	HEXACHLOROBUTADIENE		6.1		.5
67	NAPHTHALENE		4.7		.5
68	1,2,3-TRICHLOROBENZENE		5.5		.5
69	ETHANOL		< MRL		30
70	NITROBENZENE		87		5.0

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/31/2002 Time: 11:49:33

Sample: AE12279
Analysis: $Q_524 Volatile Organic Compounds-Reference Rec
Units: ug
Started: 5/28/02 12:13 Ended: 5/28/02 12:13 Analyst: BH
Result source: manual entry
Page: 1

70-130

	Component Name	Viol	Result	Qualifier	MDL
1	Surr - 1,2-DICHLOROETHANE-		4.5		.5
2	Surr - 4-BROMOFLUOROBENZ		5.5		.5
3	Dichlorodifluoromethane		108		.5
4	Chloromethane		118		.5
5	Vinyl chloride		128		.5
6	Bromomethane		130		.5
7	Chloroethane		120		.5
8	Trichlorofluoromethane		94		.5
9	1,1-Dichloroethene		106		.5
10	Methylene Chloride		114		.5
11	Methyl tert butyl ether		92		1.0
12	trans-1,2-dichloroethene		118		.5
13	1,1-dichloroethane		116		.5
14	2-butanone (MEK)		100		2.0
15	2,2-dichloropropane		104		.5
16	cis-1,2-dichloroethene		114		.5
17	Chloroform		106		.5
18	Bromochloromethane		118		.5
19	1,2-dichloroethane		106		.5
20	Surr - TOLUENE-D8		4.8		.5
21	1,1,1-trichloroethane		92		.5
22	1,1-dichloropropene		106		.5
23	Carbon tetrachloride		94		.5
24	Benzene		108		.5
25	Trichloroethene		102		.5
26	1,2-dichloropropane		110		.5
27	Dibromomethane		96		.5
28	Bromodichloromethane		96		.5
29	Methyl iso-butyl ketone		100		1.0
30	cis-1,3-dichloropropene		100		.5
31	Toluene		110		.5
32	trans-1,3-dichloropropene		82		.5
33	1,1,2-trichloroethane		102		.5
34	Tetrachloroethene		112		.5
35	1,3-dichloropropane		104		.5
36	Dibromochloromethane		98		2.0
37	Chlorobenzene		112		.5
38	1,1,1,2-tetrachloroethane		104		.5
39	Ethylbenzene		112		.5
40	P & M-xylene		110		.5
41	O-xylene		110		.5
42	Styrene		110		.5
43	1,1,2,2-tetrachloroethane		104		.5
44	Bromoform		104		2.0
45	Isopropylbenzene		114		.5
46	1,2,3-trichloropropane		104		.5
47	N-propylbenzene		110		.5
48	Bromobenzene		110		.5

NYC 9/11 Public Portal Document

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/31/2002 Time: 11:49:33

Sample: AE12279
Analysis: $Q_524 Volatile Organic Compounds-Reference Rec
Units: ug
Started: 5/28/02 12:13 Ended: 5/28/02 12:13 Analyst: BH
Result source: manual entry
Page: 2

	Component Name	Viol	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		110		.5
50	2-chlorotoluene		110		.5
51	4-chlorotoluene		96		.5
52	TERT-butylbenzene		112		.5
53	1,2,4-trimethylbenzene		110		.5
54	SEC-butylbenzene		112		.5
55	P-isopropyltoluene		112		.5
56	1,3-dichlorobenzene		110		.5
57	1,4-dichlorobenzene		108		.5
58	N-butylbenzene		114		.5
59	1,2-dichlorobenzene		108		.5
60	1,2,4-trichlorobenzene		108		.5
61	Hexachlorobutadiene		122		.5
62	Naphthalene		94		.5
63	1,2,3-trichlorobenzene		110		.5
64	Ethanol		< MRL		
65	Nitrobenzene		87		5.0

NYC 9/11 Public Portal Document

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAY23\0523R5.D Vial: 9
Acq On : 23 May 2002 12:42 pm Operator: 201-wb
Sample : ref 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 31 11:45 2002 Quant Results File: HP051702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri May 31 11:43:42 2002
Response via : Initial Calibration
DataAcq Meth : HP051702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.07	114	1469377	5.00	ug/L	0.03
24) CHLOROBENZENE-D5	21.73	117	1392480	5.00	ug/L	0.02
52) 1,4-DICHLOROBENZENE-D4	26.90	152	693482	5.00	ug/L	0.02
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.30	65	649360	4.53	ug/L	0.03
Spiked Amount 5.000			Recovery = 90.60%			
3) 4-BROMOFLUOROBENZENE	24.31	174	568859	5.49	ug/L	0.02
Spiked Amount 5.000			Recovery = 109.80%			
25) TOLUENE-D8	18.42	98	1816199	4.78	ug/L	0.02
Spiked Amount 5.000			Recovery = 95.60%			
Target Compounds						Qvalue
4) DICHLORODIFLUOROMETHANE	4.83	85	257874	5.35	ug/L	98
5) CHLOROMETHANE	5.35	50	516496	5.87	ug/L	98
6) VINYL CHLORIDE	5.57	62	292304	6.39	ug/L	96
7) BROMOMETHANE	6.54	94	142750	6.45	ug/L	99
8) CHLOROETHANE	6.69	64	261812	5.96	ug/L	99
9) TRICHLOROFLUOROMETHANE	7.25	101	383416	4.66	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	8.14	101	206300	4.39	ug/L	99
12) ACETONE	8.21	43	187885	14.44	ug/L	100
13) 1,1-DICHLOROETHENE	8.57	61	556690	5.27	ug/L	98
14) METHYLENE CHLORIDE	9.57	49	546847	5.68	ug/L	95
15) METHYL TERT BUTYL ETHER	9.88	73	341916	4.58	ug/L	97
16) TRANS-1,2-DICHLOROETHENE	10.23	61	626778	5.85	ug/L	91
17) 1,1-DICHLOROETHANE	11.12	63	671481	5.79	ug/L	98
18) 2-BUTANONE (MEK)	11.95	43	196231	20.08	ug/L	95
19) 2,2-DICHLOROPROPANE	12.34	77	489866	5.21	ug/L	97
20) CIS-1,2-DICHLOROETHENE	12.43	96	356816	5.67	ug/L	93
21) CHLOROFORM	12.77	83	659463	5.31	ug/L	99
22) BROMOCHLOROMETHANE	13.14	49	286241	5.87	ug/L	90
23) 1,2-DICHLOROETHANE	14.49	62	495732	5.35	ug/L	97
26) 1,1,1-TRICHLOROETHANE	13.67	97	524724	4.63	ug/L	98
27) 1,1-DICHLOROPROPENE	13.98	75	553581	5.25	ug/L	98
28) CARBON TETRACHLORIDE	14.25	117	435491	4.67	ug/L	99
29) BENZENE	14.59	78	1238213	5.44	ug/L	99
30) TRICHLOROETHENE	15.87	95	388515	5.12	ug/L	99
31) 1,2-DICHLOROPROPANE	16.23	63	335038	5.45	ug/L	98
32) DIBROMOMETHANE	16.89	174	144222	4.84	ug/L	98
33) BROMODICHLOROMETHANE	16.74	83	432767	4.84	ug/L	100
34) 2-CHLOROETHYL VINYL ETHER	17.23	63	77977	6.58	ug/L	99
35) METHYL ISO-BUTYL KETONE	17.30	58	153725	19.97	ug/L	93
36) CIS-1,3-DICHLOROPROPENE	17.83	75	433222	5.01	ug/L	99
37) TOLUENE	18.59	91	1285413	5.53	ug/L	100
38) TRANS-1,3-DICHLOROPROPENE	18.87	75	296454	4.06	ug/L	98
39) 1,1,2-TRICHLOROETHANE	19.26	97	182594	5.10	ug/L	99
40) TETRACHLOROETHENE	20.04	166	382276	5.58	ug/L	97
41) 1,3-DICHLOROPROPANE	19.78	76	362477	5.21	ug/L	97
42) DIBROMOCHLOROMETHANE	20.48	129	212080	4.90	ug/L	99
43) 1,2-DIBROMOETHANE	20.93	107	179615	4.82	ug/L	100
44) CHLOROBENZENE	21.81	112	793725	5.64	ug/L	100
45) 1,1,1,2-TETRACHLOROETHANE	21.86	131	282992	5.21	ug/L	96
46) 2-HEXANONE	19.15	43	286858	19.47	ug/L	97
47) ETHYLBENZENE	21.84	91	1542772	5.64	ug/L	99

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

NYC-WTC_000083580

NYC 9/11 Public Portal Document

Data File : C:\HPCHEM\1\DATA\02MAY23\0523R5.D Vial: 9
Acq On : 23 May 2002 12:42 pm Operator: 201-wb
Sample : ref 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 31 11:45 2002 Quant Results File: HP051702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri May 31 11:43:42 2002
Response via : Initial Calibration
DataAcq Meth : HP051702

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
48)	P & M-XYLENE	22.01	106	993909	11.31 ug/L	95
49)	O-XYLENE	22.99	91	1170298	5.49 ug/L	96
50)	STYRENE	23.04	104	746932	5.50 ug/L	97
51)	1,1,2,2-TETRACHLOROETHANE	24.06	83	183747	5.23 ug/L	99
53)	BROMOFORM	23.90	173	93590	5.25 ug/L	99
54)	ISOPROPYLBENZENE	23.70	105	1301533	5.67 ug/L	99
55)	1,2,3-TRICHLOROPROPANE	24.38	110	57545	5.20 ug/L	93
56)	N-PROPYLBENZENE	24.59	91	1676841	5.55 ug/L	99
57)	BROMOBENZENE	24.82	156	308714	5.50 ug/L	94
58)	1,3,5-TRIMETHYLBENZENE	24.89	105	1145413	5.55 ug/L	98
59)	2-CHLOROTOLUENE	25.06	91	1161671	5.52 ug/L	100
60)	4-CHLOROTOLUENE	25.13	91	1013163	4.81 ug/L	96
61)	TERT-BUTYLBENZENE	25.69	119	1030571	5.62 ug/L	97
62)	1,2,4-TRIMETHYLBENZENE	25.78	105	1178884	5.53 ug/L	98
63)	SEC-BUTYLBENZENE	26.15	105	1420238	5.63 ug/L	99
64)	P-ISOPROPYLTOLUENE	26.41	119	1111225	5.60 ug/L	97
65)	1,3-DICHLOROBENZENE	26.76	146	574369	5.47 ug/L	98
66)	1,4-DICHLOROBENZENE	26.99	146	575589	5.41 ug/L	99
67)	N-BUTYLBENZENE	27.29	91	1177925	5.72 ug/L	98
68)	1,2-DICHLOROBENZENE	27.84	146	465134	5.35 ug/L	98
69)	1,2-DIBROMO-3-CHLOROPROPAN	29.61	157	21994	5.17 ug/L	96
70)	1,2,4-TRICHLOROBENZENE	31.91	180	310709	5.41 ug/L	99
71)	HEXACHLOROBUTADIENE	32.21	225	272290	6.15 ug/L	99
72)	NAPHTHALENE	32.74	128	199064	4.72 ug/L	98
73)	1,2,3-TRICHLOROBENZENE	33.46	180	241627	5.47 ug/L	97
74)	NITROBENZENE	29.83	77	82144	86.98 ug/L	93

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

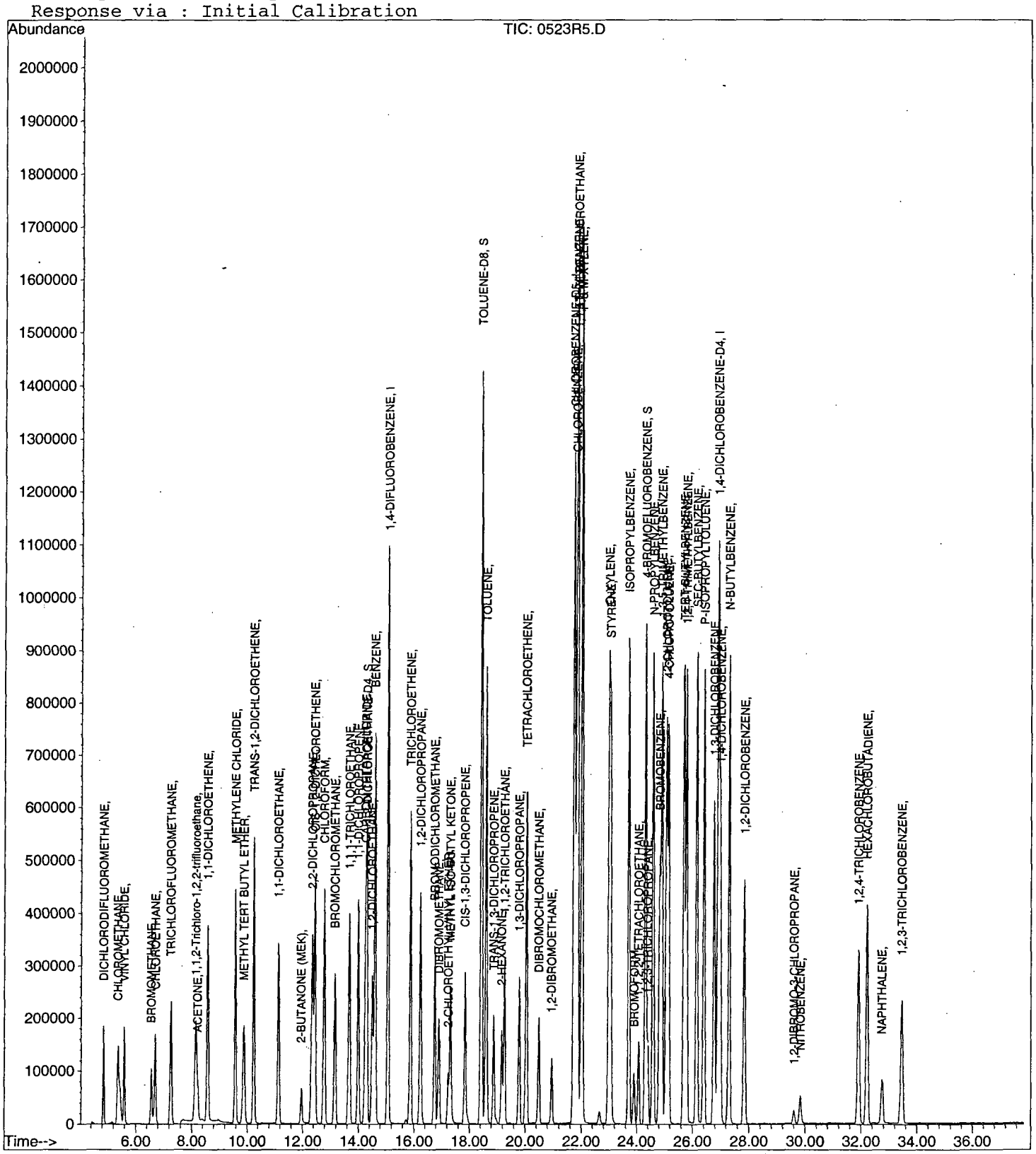
NYC-WTC_000083581

NYC 9/11 Public Portal Document

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02MAY23\0523R5.D Vial: 9
Acq On : 23 May 2002 12:42 pm Operator: 201-wb
Sample : ref 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 31 11:45 2002 Quant Results File: HP051702.RES

Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration



NYC-WTC_000083582

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/31/2002 Time: 11:56:22

Sample: AE12284
Analysis: $S_524 Spike recovery for 524
Units: ug
Started: 5/23/02 00:04 Ended: 5/23/02 00:04 Analyst: BH
Result source: manual entry
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Surr - 1,2-DICHLOROETHANE-		4.5		.5
2	Surr - 4-BROMOFLUOROBENZ		5.7		.5
3	Dichlorodifluoromethane		31		.5
4	Chloromethane		35		.5
5	Vinyl chloride		30		.5
6	Bromomethane		30		.5
7	Chloroethane		36		.5
8	Trichlorofluoromethane		30		.5
9	1,1-Dichloroethene		19		.5
10	Methylene Chloride		22		.5
11	Methyl tert-butyl ether (MTBE)		20		1.0
12	trans-1,2-dichloroethene		23		.5
13	1,1-dichloroethane		23		.5
14	2-butanone (MEK)		94		2.0
15	2,2-dichloropropane		22		.5
16	cis-1,2-dichloroethene		22		.5
17	*THM-Chloroform		21		.5
18	Bromochloromethane		24		.5
19	1,2-dichloroethane		21		.5
20	Surr - TOLUENE-D8		4.8		.5
21	1,1,1- trichloroethane		18		.5
22	1,1-dichloropropene		20		.5
23	Carbon tetrachloride		18		.5
24	Benzene		22		.5
25	Trichloroethene		20		.5
26	1,2-dichloropropane		22		.5
27	Dibromomethane		20		.5
28	*THM-Bromodichloromethane		20		.5
29	Methyl iso-butyl ketone (MIBK)		96		1.0
30	cis-1,3-dichloropropene		21		.5
31	Toluene		22		.5
32	trans-1,3-dichloropropene		20		.5
33	1,1,2-trichloroethane		20		.5
34	Tetrachloroethene		22		.5
35	1,3-dichloropropane		21		.5
36	*THM-Dibromochloromethane		22		2.0
37	Chlorobenzene		23		.5
38	1,1,1,2-tetrachloroethane		20		.5
39	Ethylbenzene		23		.5
40	P & M-xylene		45		.5
41	O-xylene		23		.5
42	Styrene		23		.5
43	1,1,2,2-tetrachloroethane		21		.5
44	*THM-Bromoform		26		2.0
45	Isopropylbenzene		24		.5
46	1,2,3-trichloropropane		20		.5
47	N-propylbenzene		23		.5
48	Bromobenzene		23		.5

NYC 9/11 Public Portal Document

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/31/2002 Time: 11:56:22

Sample: AE12284
Analysis: $S_524 Spike recovery for 524
Units: ug
Started: 5/23/02 00:04 Ended: 5/23/02 00:04 Analyst: BH
Result source: manual entry
Page: 2

	Component Name	Vial	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		23		.5
50	2-chlorotoluene		21		.5
51	4-chlorotoluene		22		.5
52	TERT-butylbenzene		23		.5
53	1,2,4-trimethylbenzene		22		.5
54	SEC-butylbenzene		23		.5
55	P-isopropyltoluene		24		.5
56	1,3-dichlorobenzene		23		.5
57	1,4-dichlorobenzene		22		.5
58	N-butylbenzene		24		.5
59	1,2-dichlorobenzene		22		.5
60	1,2,4-trichlorobenzene		22		.5
61	Hexachlorobutadiene		22		.5
62	Naphthalene		16		.5
63	1,2,3-trichlorobenzene		21		.5

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/31/2002 Time: 11:57:13

Sample: AE12284
Analysis: $R_524 Spike calculation for 524
Units: ug
Started: 5/30/02 17:02 Ended: 5/30/02 17:02 Analyst: SV
Result source: manual entry
Page: 1

	Component Name	Viol.	Result	Qualifier	MDL
1	Surr - 1,2-DICHLOROETHANE-		90		.5
2	Surr - 4-BROMOFLUOROBENZ		114		.5
3	Dichlorodifluoromethane	USPEC	165		.5
4	Chloromethane	USPEC	175		.5
5	Vinyl chloride	USPEC	150		.5
6	Bromomethane	USPEC	150		.5
7	Chloroethane	USPEC	180		.5
8	Trichlorofluoromethane	USPEC	150		.5
9	1,1-Dichloroethene		95		.5
10	Methylene Chloride		110		.5
11	Methyl tert-butyl ether (MTBE)		100		1.0
12	trans-1,2-dichloroethene		115		.5
13	1,1-dichloroethane		115		.5
14	2-butanone (MEK)		117.5		2.0
15	2,2-dichloropropane		110		.5
16	cis-1,2-dichloroethene		110		.5
17	*THM-Chloroform		105		.5
18	Bromochloromethane		120		.5
19	1,2-dichloroethane		105		.5
20	Surr - TOLUENE-D8		96		.5
21	1,1,1- trichloroethane		90		.5
22	1,1-dichloropropene		100		.5
23	Carbon tetrachloride		90		.5
24	Benzene		110		.5
25	Trichloroethene		100		.5
26	1,2-dichloropropane		110		.5
27	Dibromomethane		100		.5
28	*THM-Bromodichloromethane		100		.5
29	Methyl iso-butyl ketone (MIBK)		120		1.0
30	cis-1,3-dichloropropene		105		.5
31	Toluene		110		.5
32	trans-1,3-dichloropropene		100		.5
33	1,1,2-trichloroethane		100		.5
34	Tetrachloroethene		110		.5
35	1,3-dichloropropane		105		.5
36	*THM-Dibromochloromethane		110		2.0
37	Chlorobenzene		115		.5
38	1,1,1,2-tetrachloroethane		100		.5
39	Ethylbenzene		115		.5
40	P & M-xylene		112.5		.5
41	O-xylene		115		.5
42	Styrene		115		.5
43	1,1,2,2-tetrachloroethane		105		.5
44	*THM-Bromoform	USPEC	130		2.0
45	Isopropylbenzene		120		.5
46	1,2,3-trichloropropane		100		.5
47	N-propylbenzene		115		.5
48	Bromobenzene		115		.5

NYC 9/11 Public Portal Document

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/31/2002 Time: 11:57:13

Sample: AE12284
Analysis: $R_524 Spike calculation for 524
Units: ug
Started: 5/30/02 17:02 Ended: 5/30/02 17:02 Analyst: SV
Result source: manual entry
Page: 2

	Component Name	Viol	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		115		.5
50	2-chlorotoluene		105		.5
51	4-chlorotoluene		110		.5
52	TERT-butylbenzene		115		.5
53	1,2,4-trimethylbenzene		110		.5
54	SEC-butylbenzene		115		.5
55	P-isopropyltoluene		120		.5
56	1,3-dichlorobenzene		115		.5
57	1,4-dichlorobenzene		110		.5
58	N-butylbenzene		120		.5
59	1,2-dichlorobenzene		110		.5
60	1,2,4-trichlorobenzene		110		.5
61	Hexachlorobutadiene		110		.5
62	Naphthalene		80		.5
63	1,2,3-trichlorobenzene		105		.5

NYC 9/11 Public Portal Document

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAY23\12284S.D Vial: 1
Acq On : 23 May 2002 4:14 pm Operator: 201-wb
Sample : spk 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 31 11:55 2002 Quant Results File: HP051702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri May 31 11:43:42 2002
Response via : Initial Calibration
DataAcq Meth : HP051702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.07	114	1471493	5.00	ug/L	0.03
24) CHLOROBENZENE-D5	21.72	117	1420348	5.00	ug/L	0.02
52) 1,4-DICHLOROBENZENE-D4	26.92	152	711747	5.00	ug/L	0.03
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.30	65	643297	4.48	ug/L	0.03
Spiked Amount 5.000			Recovery = 89.60%			
3) 4-BROMOFLUOROBENZENE	24.31	174	589449	5.68	ug/L	0.02
Spiked Amount 5.000			Recovery = 113.60%			
25) TOLUENE-D8	18.42	98	1852649	4.78	ug/L	0.02
Spiked Amount 5.000			Recovery = 95.60%			
Target Compounds						Qvalue
4) DICHLORODIFLUOROMETHANE	4.84	85	2004141	30.62	ug/L	98
6) VINYL CHLORIDE	5.56	62	1097696	29.68	ug/L	99
7) BROMOMETHANE	6.55	94	1105599	30.48	ug/L	100
8) CHLOROETHANE	6.70	64	1568014	35.65	ug/L	99
9) TRICHLOROFLUOROMETHANE	7.25	101	2452893	29.79	ug/L	99
12) ACETONE	8.21	43	685916	52.64	ug/L	98
13) 1,1-DICHLOROETHENE	8.56	61	2055373	19.43	ug/L	99
14) METHYLENE CHLORIDE	9.57	49	2127038	22.05	ug/L	94
15) METHYL TERT BUTYL ETHER	9.88	73	1518396	20.32	ug/L	97
16) TRANS-1,2-DICHLOROETHENE	10.23	61	2473977	23.07	ug/L	89
17) 1,1-DICHLOROETHANE	11.14	63	2723206	23.45	ug/L	97
18) 2-BUTANONE (MEK)	11.95	43	918434	93.84	ug/L	94
19) 2,2-DICHLOROPROPANE	12.34	77	2100994	22.30	ug/L	99
20) CIS-1,2-DICHLOROETHENE	12.45	96	1415230	22.46	ug/L	98
21) CHLOROFORM	12.77	83	2658487	21.39	ug/L	99
22) BROMOCHLOROMETHANE	13.16	49	1156943	23.67	ug/L	96
23) 1,2-DICHLOROETHANE	14.51	62	1918160	20.65	ug/L	99
26) 1,1,1-TRICHLOROETHANE	13.67	97	2070132	17.93	ug/L	99
27) 1,1-DICHLOROPROPENE	14.00	75	2200338	20.46	ug/L	100
28) CARBON TETRACHLORIDE	14.25	117	1755244	18.47	ug/L	99
29) BENZENE	14.59	78	5069312	21.83	ug/L	100
30) TRICHLOROETHENE	15.87	95	1534526	19.83	ug/L	98
31) 1,2-DICHLOROPROPANE	16.23	63	1349265	21.53	ug/L	98
32) DIBROMOMETHANE	16.91	174	599927	19.75	ug/L	94
33) BROMODICHLOROMETHANE	16.75	83	1863230	20.44	ug/L	100
34) 2-CHLOROETHYL VINYL ETHER	17.23	63	55818	4.62	ug/L	97
35) METHYL ISO-BUTYL KETONE	17.30	58	754296	96.08	ug/L	99
36) CIS-1,3-DICHLOROPROPENE	17.84	75	1885848	21.37	ug/L	99
37) TOLUENE	18.59	91	5298995	22.36	ug/L	100
38) TRANS-1,3-DICHLOROPROPENE	18.88	75	1439955	20.12	ug/L	100
39) 1,1,2-TRICHLOROETHANE	19.26	97	732391	20.06	ug/L	99
40) TETRACHLOROETHENE	20.04	166	1518080	21.73	ug/L	98
41) 1,3-DICHLOROPROPANE	19.80	76	1486398	20.97	ug/L	98
42) DIBROMOCHLOROMETHANE	20.48	129	984065	22.28	ug/L	94
43) 1,2-DIBROMOETHANE	20.94	107	758758	19.96	ug/L	99
44) CHLOROBENZENE	21.81	112	3246092	22.61	ug/L	99
45) 1,1,1,2-TETRACHLOROETHANE	21.86	131	1104969	19.93	ug/L	95
46) 2-HEXANONE	19.15	43	1427306	94.99	ug/L	99
47) ETHYLBENZENE	21.86	91	6323203	22.65	ug/L	99
48) P & M-XYLENE	22.01	106	4074627	45.48	ug/L	97
49) O-XYLENE	22.98	91	5047820	23.20	ug/L	97

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

NYC-WTC_000083587

NYC 9/11 Public Portal Document

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAY23\12284S.D Vial: 1
Acq On : 23 May 2002 4:14 pm Operator: 201-wb
Sample : spk 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 31 11:55 2002 Quant Results File: HP051702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri May 31 11:43:42 2002
Response via : Initial Calibration
DataAcq Meth : HP051702

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
50)	STYRENE	23.05	104	3207136	23.14	ug/L	98
51)	1,1,2,2-TETRACHLOROETHANE	24.07	83	766203	21.39	ug/L	97
53)	BROMOFORM	23.90	173	474231	25.91	ug/L	96
54)	ISOPROPYLBENZENE	23.72	105	5576412	23.65	ug/L	98
55)	1,2,3-TRICHLOROPROPANE	24.40	110	229833	20.22	ug/L	86
56)	N-PROPYLBENZENE	24.58	91	7026145	22.65	ug/L	100
57)	BROMOBENZENE	24.82	156	1318569	22.91	ug/L	87
58)	1,3,5-TRIMETHYLBENZENE	24.91	105	4787205	22.58	ug/L	99
59)	2-CHLOROTOLUENE	25.06	91	4451942	20.60	ug/L	97
60)	4-CHLOROTOLUENE	25.15	91	4723344	21.85	ug/L	98
61)	TERT-BUTYLBENZENE	25.69	119	4339888	23.06	ug/L	98
62)	1,2,4-TRIMETHYLBENZENE	25.79	105	4874559	22.29	ug/L	97
63)	SEC-BUTYLBENZENE	26.15	105	5972487	23.08	ug/L	99
64)	P-ISOPROPYLTOLUENE	26.41	119	4805898	23.60	ug/L	98
65)	1,3-DICHLOROBENZENE	26.78	146	2445271	22.69	ug/L	96
66)	1,4-DICHLOROBENZENE	26.99	146	2389696	21.89	ug/L	98
67)	N-BUTYLBENZENE	27.31	91	5039589	23.86	ug/L	99
68)	1,2-DICHLOROBENZENE	27.84	146	1988534	22.29	ug/L	98
69)	1,2-DIBROMO-3-CHLOROPROPAN	29.62	157	98846	22.64	ug/L	98
70)	1,2,4-TRICHLOROBENZENE	31.92	180	1314739	22.29	ug/L	99
71)	HEXACHLOROBUTADIENE	32.23	225	1009230	22.20	ug/L	98
72)	NAPHTHALENE	32.76	128	886999	15.80	ug/L	100
73)	1,2,3-TRICHLOROBENZENE	33.47	180	967958	21.36	ug/L	94
74)	NITROBENZENE	29.85	77	494949	510.62	ug/L	97

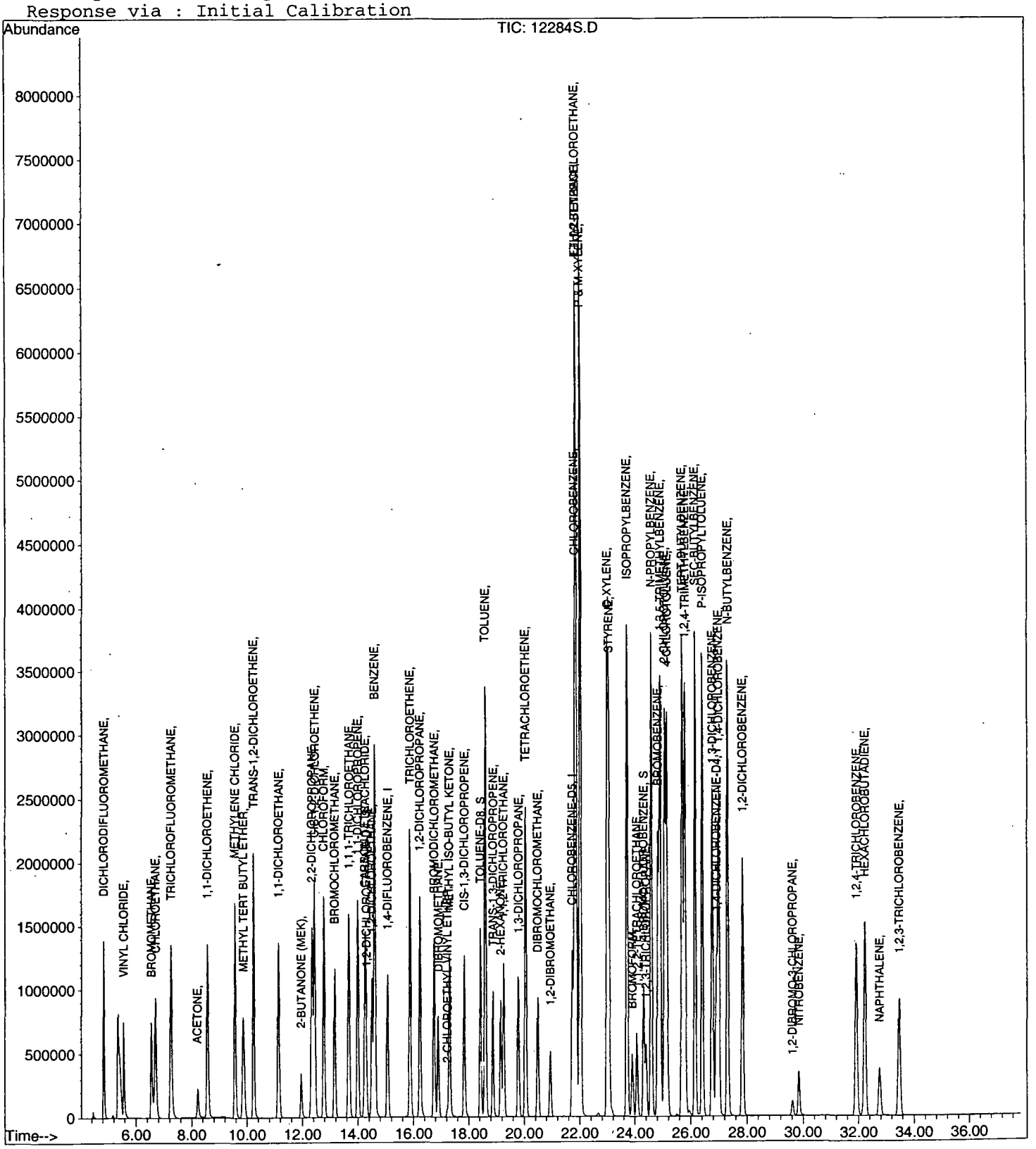
(#) = qualifier out of range (m) = manual integration

NYC-WTC_000083588

NYC 9/11 Public Portal Document

Data File : C:\HPCHEM\1\DATA\02MAY23\12284S.D Vial: 1
Acq On : 23 May 2002 4:14 pm Operator: 201-wb
Sample : spk 20 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 31 11:55 2002 Quant Results File: HP051702.RES

Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri May 31 11:43:42 2002
Response via : Initial Calibration



NYC-WTC_000083589

NYC 9/11 Public Portal Document

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02may23\0523B2.D Vial: 2
Acq On : 23 May 2002 4:57 pm Operator: 201-wb
Sample : lb Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 23 17:36 2002 Quant Results File: HP051702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 10:09:12 2002
Response via : Initial Calibration
DataAcq Meth : HP051702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	0.00	114	0	0.00	ug/L	-15.03
24) CHLOROBENZENE-D5	0.00	117	0	0.00	ug/L	-21.71
52) 1,4-DICHLOROBENZENE-D4	0.00	152	0	0.00	ug/L	-26.88
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	0.00	65	0	0.00	ug/L	
Spiked Amount 5.000			Recovery =	0.00%		
3) 4-BROMOFLUOROBENZENE	0.00	174	0	0.00	ug/L	
Spiked Amount 5.000			Recovery =	0.00%		
25) TOLUENE-D8	0.00	98	0	0.00	ug/L	
Spiked Amount 5.000			Recovery =	0.00%		
Target Compounds						Qvalue

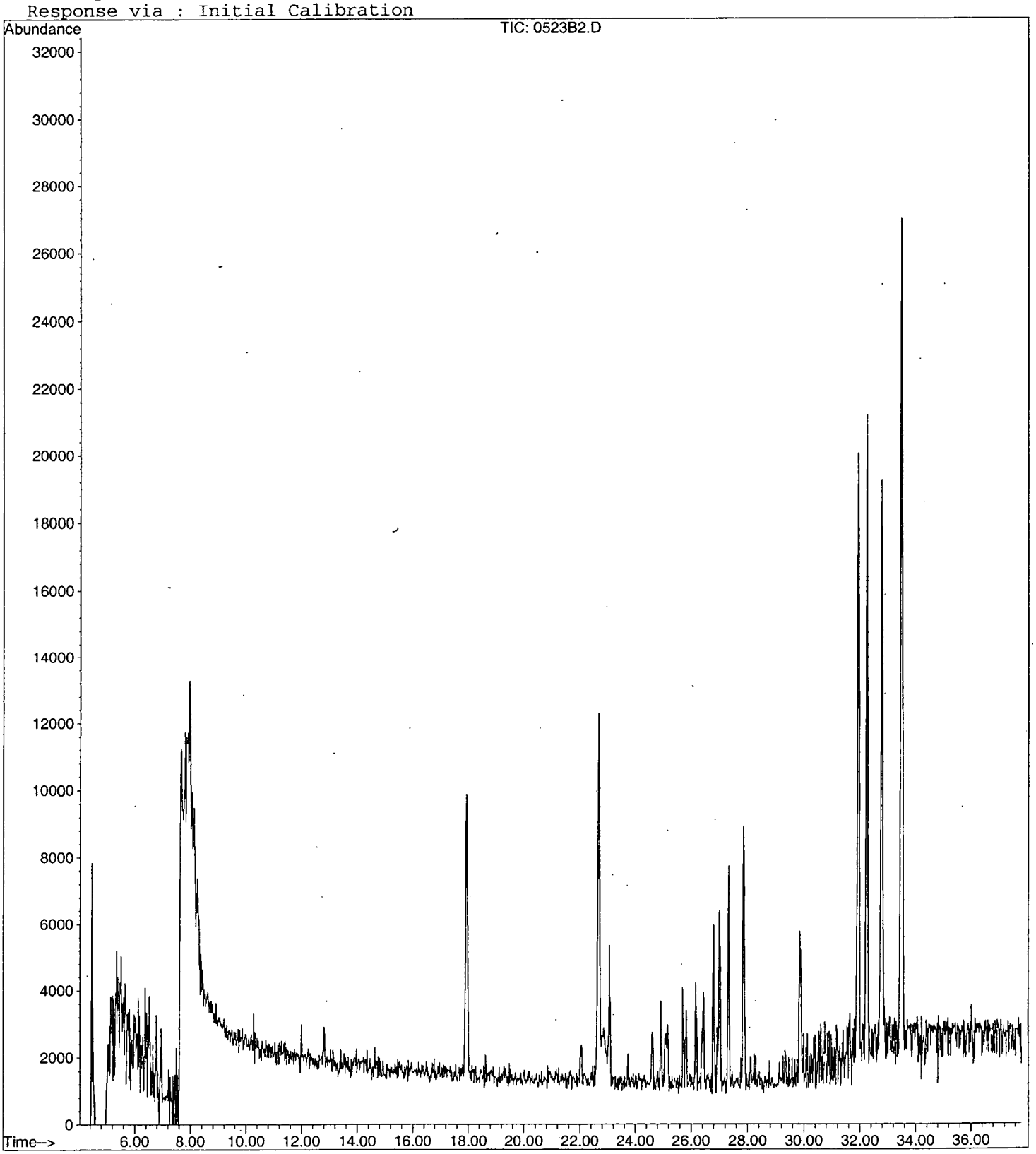
(#) = qualifier out of range (m) = manual integration
0523B2.D HP051702.M Thu May 23 17:36:17 2002 Page 1

NYC 9/11 Public Portal Document

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02may23\0523B2.D Vial: 2
Acq On : 23 May 2002 4:57 pm Operator: 201-wb
Sample : lb Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 23 17:36 2002 Quant Results File: HP051702.RES

Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration



NYC-WTC_000083591

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 05/30/2002 Time: 17:05:37

Sample: AE12278
Analysis: $524 Volatile Organic Compounds
Units: ug
Started: 5/23/2002 00:06 Ended: 5/23/2002 00:06 Analyst: BH
Result source: manual entry
Page: 1

	Component Name	Viol	Result	MDL
1	Surr - 1,2-DICHLOROETHANE-D		5.3	0.5
2	Surr - 4-BROMOFLUOROBENZE		5.0	0.5
3	Dichlorodifluoromethane		< MRL	0.5
4	Chloromethane		< MRL	0.5
5	Vinyl chloride		< MRL	0.5
6	Bromomethane		< MRL	0.5
7	Chloroethane		< MRL	0.5
8	Trichlorofluoromethane		< MRL	0.5
9	1,1-Dichloroethene		< MRL	0.5
10	Methylene Chloride		< MRL	0.5
11	Methyl tert-butyl ether (MTBE)		< MRL	1.0
12	trans-1,2-dichloroethene		< MRL	0.5
13	1,1-dichloroethane		< MRL	0.5
14	2-butanone (MEK)		< MRL	2.0
15	2,2-dichloropropane		< MRL	0.5
16	cis-1,2-dichloroethene		< MRL	0.5
17	*THM-Chloroform		< MRL	0.5
18	Bromochloromethane		< MRL	0.5
19	1,2-dichloroethane		< MRL	0.5
20	Surr - TOLUENE-D8		4.9	0.5
21	1,1,1- trichloroethane		< MRL	0.5
22	1,1-dichloropropene		< MRL	0.5
23	Carbon tetrachloride		< MRL	0.5
24	Benzene		< MRL	0.5
25	Trichloroethene		< MRL	0.5
26	1,2-dichloropropane		< MRL	0.5
27	Dibromomethane		< MRL	0.5
28	*THM-Bromodichloromethane		< MRL	0.5
29	Methyl iso-butyl ketone (MIBK)		< MRL	1.0
30	cis-1,3-dichloropropene		< MRL	0.5
31	Toluene		< MRL	0.5
32	trans-1,3-dichloropropene		< MRL	0.5
33	1,1,2-trichloroethane		< MRL	0.5
34	Tetrachloroethene		< MRL	0.5
35	1,3-dichloropropane		< MRL	0.5
36	*THM-Dibromochloromethane		< MRL	2.0
37	Chlorobenzene		< MRL	0.5
38	1,1,1,2-tetrachloroethane		< MRL	0.5
39	Ethylbenzene		< MRL	0.5
40	P & M-xylene		< MRL	0.5
41	O-xylene		< MRL	0.5
42	Styrene		< MRL	0.5
43	1,1,2,2-tetrachloroethane		< MRL	0.5
44	*THM-Bromoform		< MRL	2.0
45	Isopropylbenzene		< MRL	0.5
46	1,2,3-trichloropropane		< MRL	0.5
47	N-propylbenzene		< MRL	0.5

REVIEWED BY AV
DATE 5/30/01

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 05/30/2002 Time: 17:05:37

Sample: AE12278
Analysis: $524 Volatile Organic Compounds
Units: ug
Started: 5/23/2002 00:06 Ended: 5/23/2002 00:06 Analyst: BH
Result source: manual entry
Page: 2

	Component Name	Viol	Result.	MDL
48	Bromobenzene		< MRL	0.5
49	1,3,5-trimethylbenzene		< MRL	0.5
50	2-chlorotoluene		< MRL	0.5
51	4-chlorotoluene		< MRL	0.5
52	TERT-butylbenzene		< MRL	0.5
53	1,2,4-trimethylbenzene		< MRL	0.5
54	SEC-butylbenzene		< MRL	0.5
55	P-isopropyltoluene		< MRL	0.5
56	1,3-dichlorobenzene		< MRL	0.5
57	1,4-dichlorobenzene		2.8	0.5
58	N-butylbenzene		< MRL	0.5
59	1,2-dichlorobenzene		< MRL	0.5
60	1,2,4-trichlorobenzene		< MRL	0.5
61	Hexachlorobutadiene		< MRL	0.5
62	Naphthalene		< MRL	0.5
63	1,2,3-trichlorobenzene		< MRL	0.5

NYC 9/11 Public Portal Document

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAY23\12278.D Vial: 4
Acq On : 23 May 2002 6:24 pm Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 24 14:54 2002 Quant Results File: HP051702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration
DataAcq Meth : HP051702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.10	114	493604	5.00	ug/L	0.07
24) CHLOROBENZENE-D5	21.76	117	458189	5.00	ug/L	0.05
52) 1,4-DICHLOROBENZENE-D4	26.94	152	214073	5.00	ug/L	0.05
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.34	65	255412	5.30	ug/L	0.07
Spiked Amount 5.000			Recovery =	106.00%		
3) 4-BROMOFLUOROBENZENE	24.35	174	174134	5.00	ug/L	0.05
Spiked Amount 5.000			Recovery =	100.00%		
25) TOLUENE-D8	18.46	98	612858	4.90	ug/L	0.05
Spiked Amount 5.000			Recovery =	98.00%		
Target Compounds						Qvalue
12) ACETONE	8.24	43	11865	2.71	ug/L	92
18) 2-BUTANONE (MEK)	12.00	43	2241	0.68	ug/L	54
65) 1,3-DICHLOROBENZENE	27.00	146	90483	~~2.79~~	~~ug/L~~	97
66) 1,4-DICHLOROBENZENE 2.3	27.00	146	90479	2.76	ug/L	99

(#) = qualifier out of range (m) = manual integration
12278.D HP051702.M Fri May 24 14:54:41 2002 Page 1

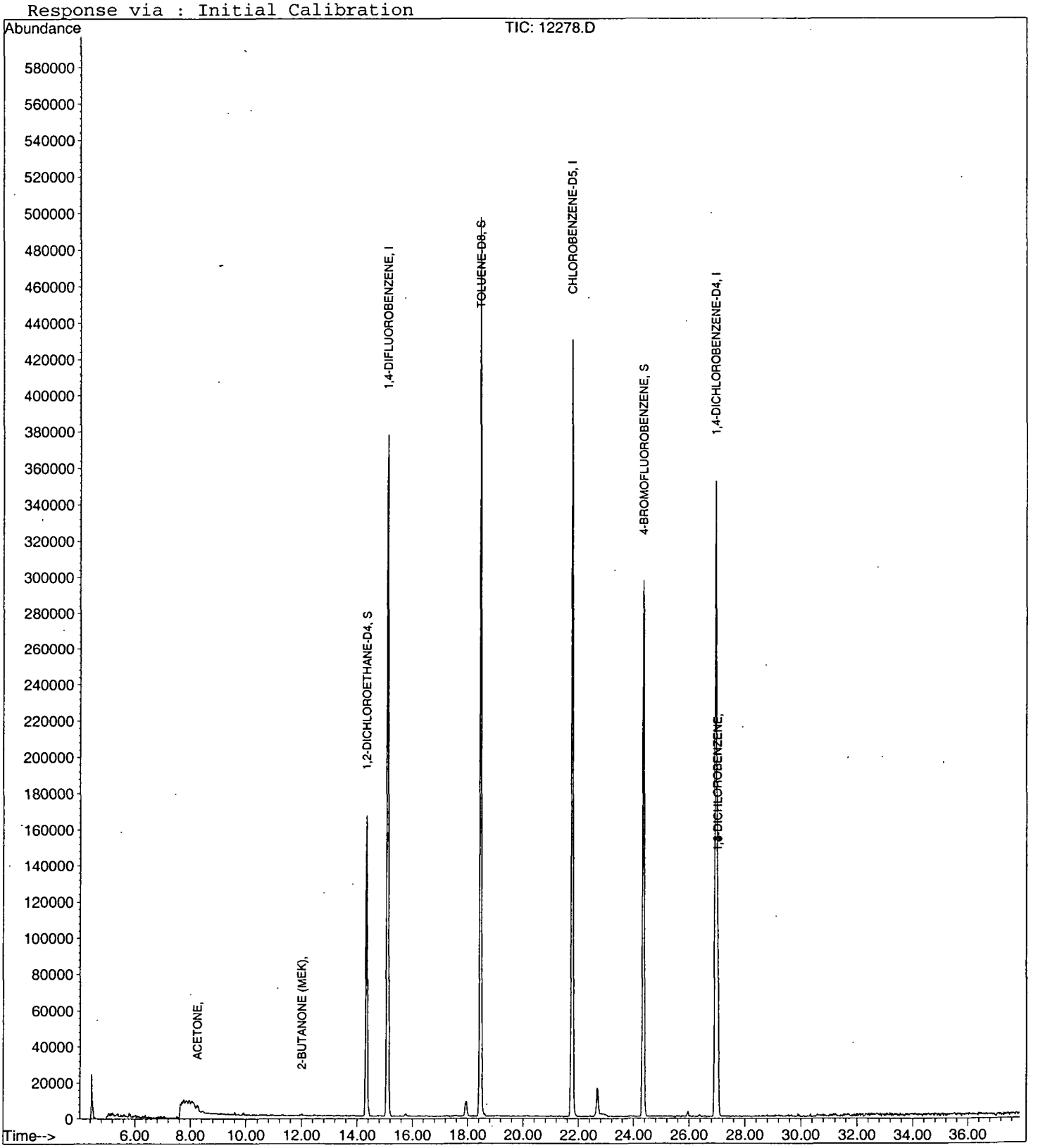
NYC-WTC_000083594

NYC 9/11 Public Portal Document

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12278.D Vial: 4
Acq On : 23 May 2002 6:24 pm Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 24 14:54 2002 Quant Results File: HP051702.RES

Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration



NYC-WTC_000083595

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12278.D Vial: 4
Acq On : 23 May 2002 6:24 pm Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

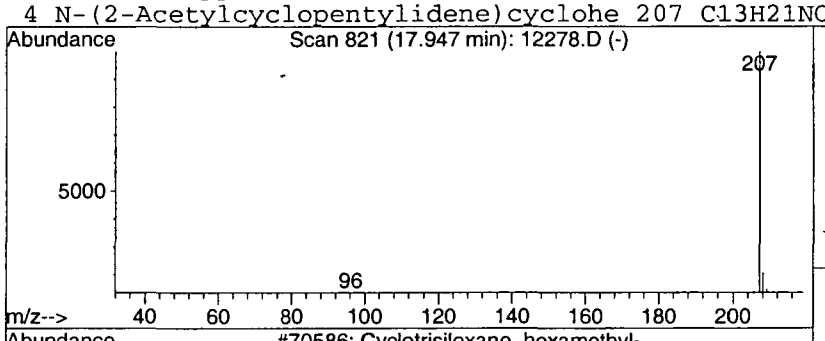
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

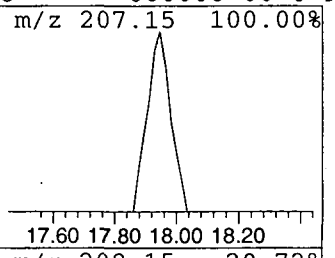
****

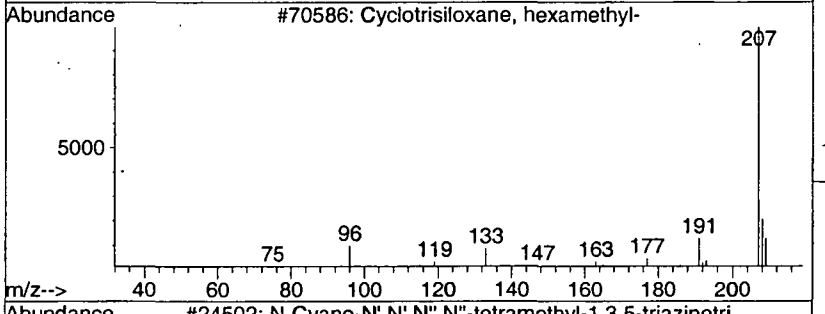
Peak Number 1 Cyclotrisiloxane, hexamethyl- Concentration Rank 2

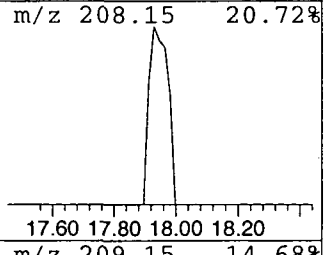
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	0.14 ug/L	40219	1,4-DIFLUOROBENZENE	15.10

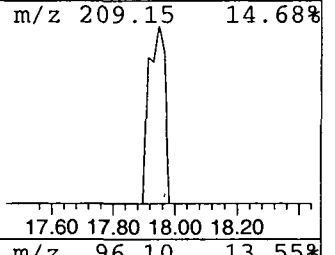
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	64
2	N-Cyano-N',N',N'',N''-tetramethyl-1	207	C8H13N7	074150-88-2	9
3	Hexahydropyridine, 1-methyl-4-[4,5-	207	C12H17NO2	000000-00-0	9
4	N-(2-Acetylcyclopentylidene)cyclohe	207	C13H21NO	000000-00-0	9

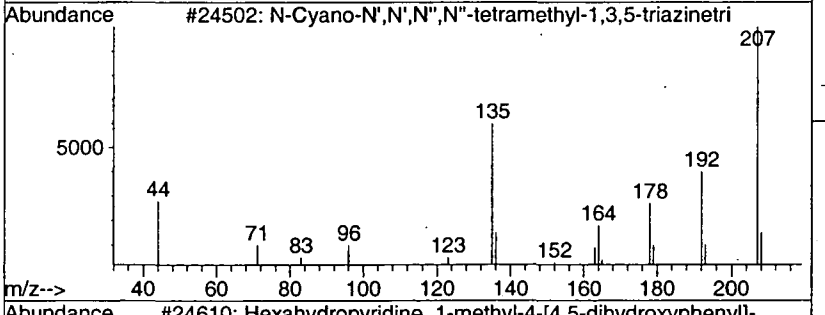


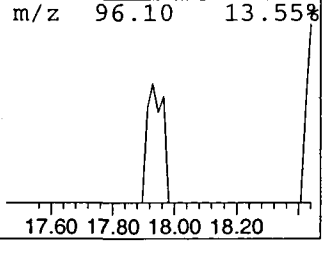


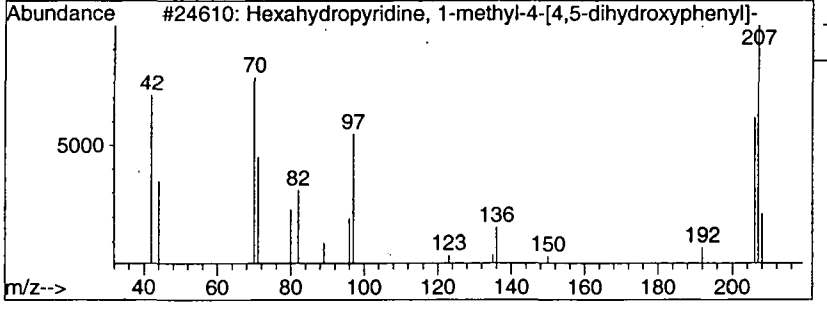












NYC-WTC_000083596

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12278.D Vial: 4
Acq On : 23 May 2002 6:24 pm Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

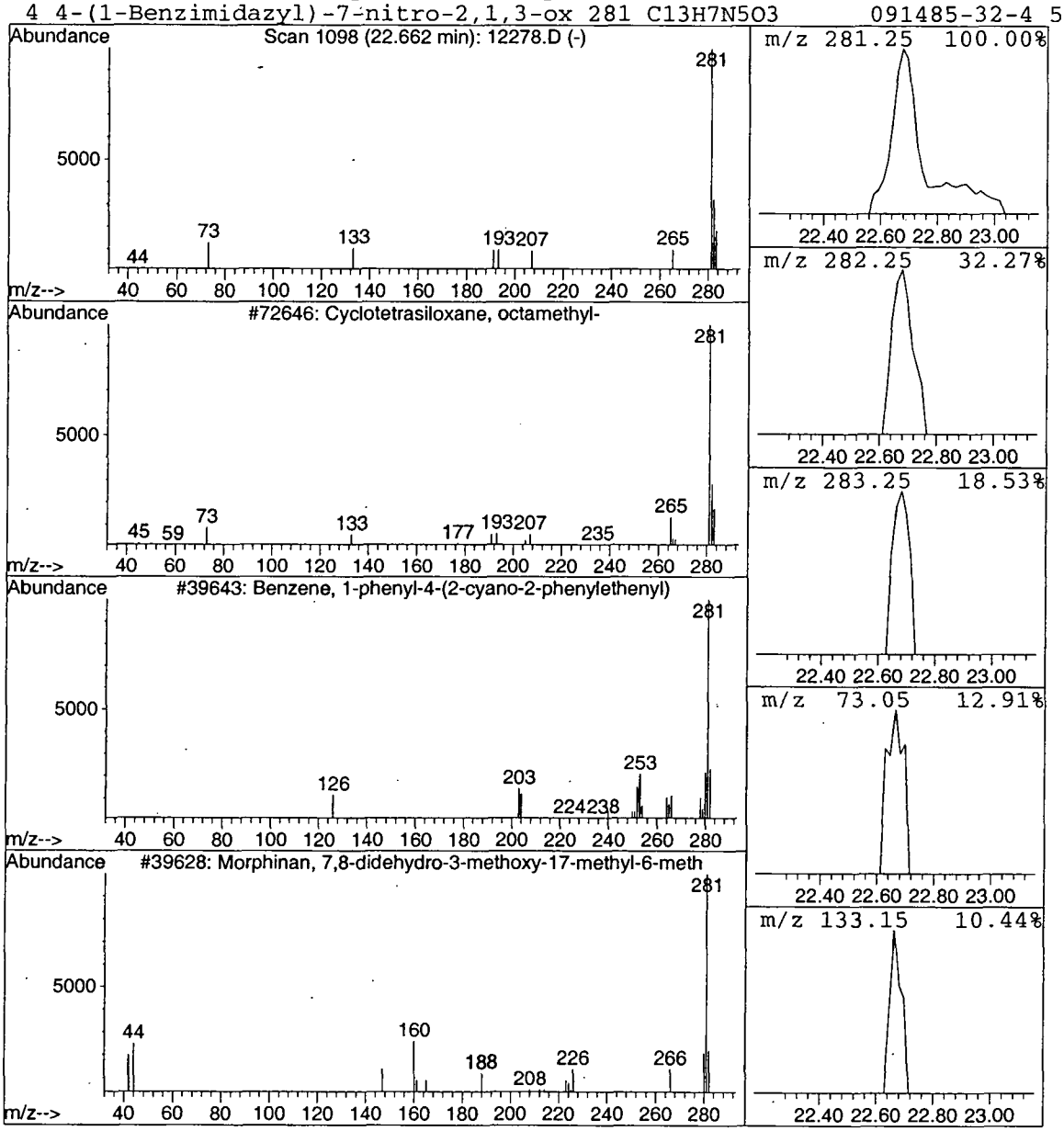
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Cyclotetrasiloxane, octamethyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.66	0.26 ug/L	85644	CHLOROBENZENE-D5	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	56
2	Benzene, 1-phenyl-4-(2-cyano-2-phen	281	C21H15N	027869-56-3	9
3	Morphinan, 7,8-didehydro-3-methoxy-	281	C19H23NO	001816-06-4	5
4	4-(1-Benzimidazyl)-7-nitro-2,1,3-ox	281	C13H7N5O3	091485-32-4	5



NYC-WTC_000083597

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 05/30/2002 Time: 17:08:48

Sample: AE12279
Analysis: $524 Volatile Organic Compounds
Units: ug
Started: 5/23/2002 00:07 Ended: 5/23/2002 00:07 Analyst: BH
Result source: manual entry
Page: 1

	Component Name	Viol	Result	MDL
1	Surr - 1,2-DICHLOROETHANE-D		5.1	0.5
2	Surr - 4-BROMOFLUOROBENZE		5.2	0.5
3	Dichlorodifluoromethane		< MRL	0.5
4	Chloromethane		< MRL	0.5
5	Vinyl chloride		< MRL	0.5
6	Bromomethane		< MRL	0.5
7	Chloroethane		< MRL	0.5
8	Trichlorofluoromethane		< MRL	0.5
9	1,1-Dichloroethene		< MRL	0.5
10	Methylene Chloride		< MRL	0.5
11	Methyl tert-butyl ether (MTBE)		< MRL	1.0
12	trans-1,2-dichloroethene		< MRL	0.5
13	1,1-dichloroethane		< MRL	0.5
14	2-butanone (MEK)		< MRL	2.0
15	2,2-dichloropropane		< MRL	0.5
16	cis-1,2-dichloroethene		< MRL	0.5
17	*THM-Chloroform		0.32-below MRL	0.5
18	Bromochloromethane		< MRL	0.5
19	1,2-dichloroethane		< MRL	0.5
20	Surr - TOLUENE-D8		4.9	0.5
21	1,1,1- trichloroethane		< MRL	0.5
22	1,1-dichloropropene		< MRL	0.5
23	Carbon tetrachloride		< MRL	0.5
24	Benzene		< MRL	0.5
25	Trichloroethene		< MRL	0.5
26	1,2-dichloropropane		< MRL	0.5
27	Dibromomethane		< MRL	0.5
28	*THM-Bromodichloromethane		0.12-below MRL	0.5
29	Methyl iso-butyl ketone (MIBK)		< MRL	1.0
30	cis-1,3-dichloropropene		< MRL	0.5
31	Toluene		< MRL	0.5
32	trans-1,3-dichloropropene		< MRL	0.5
33	1,1,2-trichloroethane		< MRL	0.5
34	Tetrachloroethene		< MRL	0.5
35	1,3-dichloropropane		< MRL	0.5
36	*THM-Dibromochloromethane		< MRL	2.0
37	Chlorobenzene		< MRL	0.5
38	1,1,1,2-tetrachloroethane		< MRL	0.5
39	Ethylbenzene		< MRL	0.5
40	P & M-xylene		< MRL	0.5
41	O-xylene		< MRL	0.5
42	Styrene		< MRL	0.5
43	1,1,2,2-tetrachloroethane		< MRL	0.5
44	*THM-Bromoform		< MRL	2.0
45	Isopropylbenzene		< MRL	0.5
46	1,2,3-trichloropropane		< MRL	0.5
47	N-propylbenzene		< MRL	0.5

REVIEWED BY AV
DATE 5/30/02

NYC 9/11 Public Portal Document

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 05/30/2002 Time: 17:08:48

Sample: AE12279
Analysis: $524 Volatile Organic Compounds
Units: ug
Started: 5/23/2002 00:07 Ended: 5/23/2002 00:07 Analyst: BH
Result source: manual entry
Page: 2

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

NYC 9/11 Public Portal Document

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAY23\12279.D Vial: 4
Acq On : 23 May 2002 7:07 pm Operator: 201-wb
Sample : nys; Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 24 14:58 2002 Quant Results File: HP051702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration
DataAcq Meth : HP051702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.10	114	1037335	5.00	ug/L	0.07
24) CHLOROBENZENE-D5	21.76	117	967423	5.00	ug/L	0.05
52) 1,4-DICHLOROBENZENE-D4	26.93	152	452169	5.00	ug/L	0.05
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.34	65	512253	5.06	ug/L	0.07
Spiked Amount 5.000			Recovery = 101.20%			
3) 4-BROMOFLUOROBENZENE	24.35	174	383381	5.24	ug/L	0.05
Spiked Amount 5.000			Recovery = 104.80%			
25) TOLUENE-D8	18.46	98	1296467	4.91	ug/L	0.05
Spiked Amount 5.000			Recovery = 98.20%			
Target Compounds						Qvalue
12) ACETONE	8.24	43	25217	2.74	ug/L	99
18) 2-BUTANONE (MEK)	11.99	43	2336	0.34	ug/L	54
21) CHLOROFORM	12.80	83	28286	0.32	ug/L	94
33) BROMODICHLOROMETHANE	16.77	83	7154	0.12	ug/L	95

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

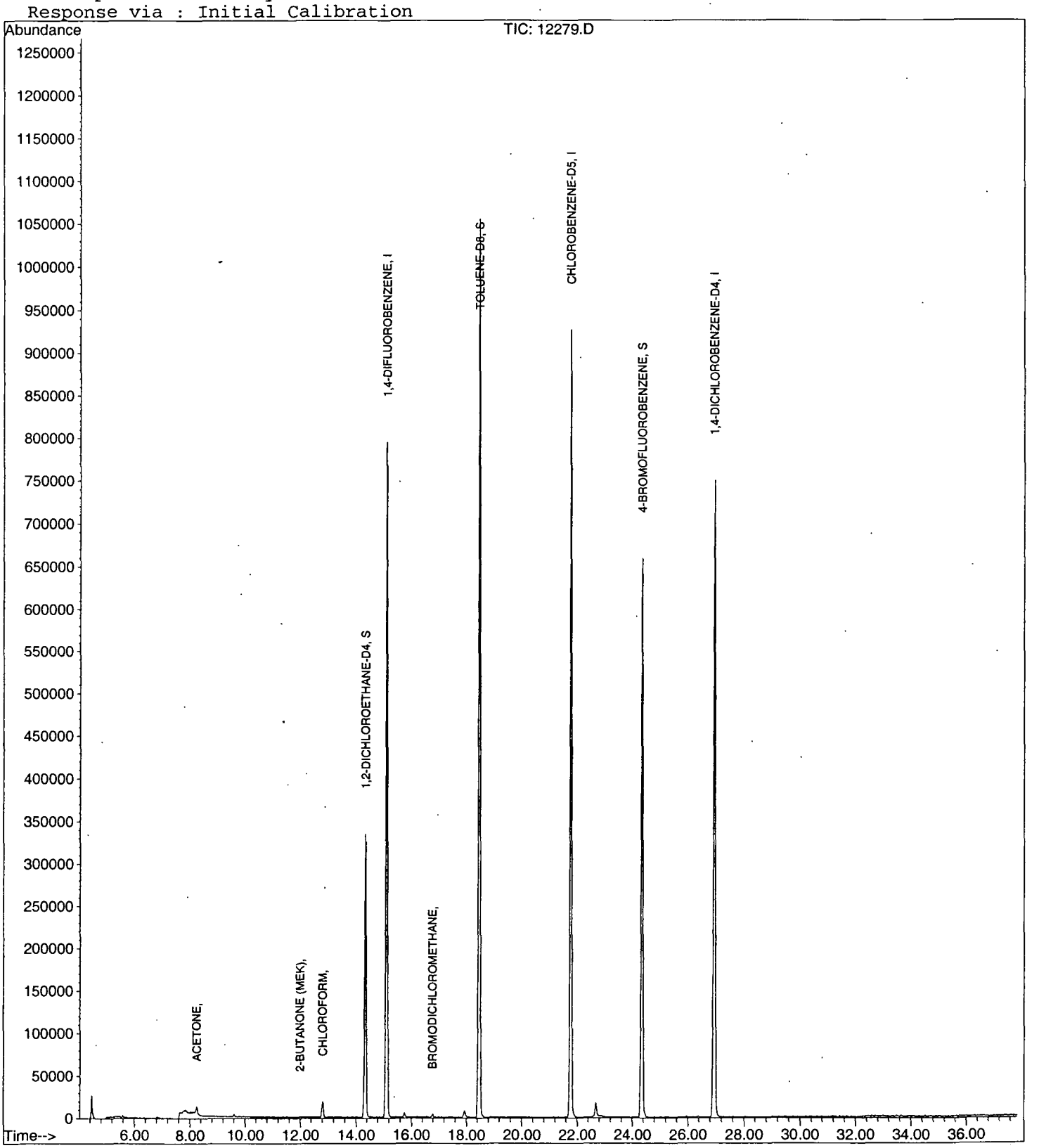
NYC-WTC_000083600

NYC 9/11 Public Portal Document

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12279.D Vial: 4
Acq On : 23 May 2002 7:07 pm Operator: 201-wb
Sample : nys; Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 24 14:58 2002 Quant Results File: HP051702.RES

Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration



NYC-WTC_000083601

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12279.D Vial: 4
Acq On : 23 May 2002 7:07 pm Operator: 201-wb
Sample : nys; Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

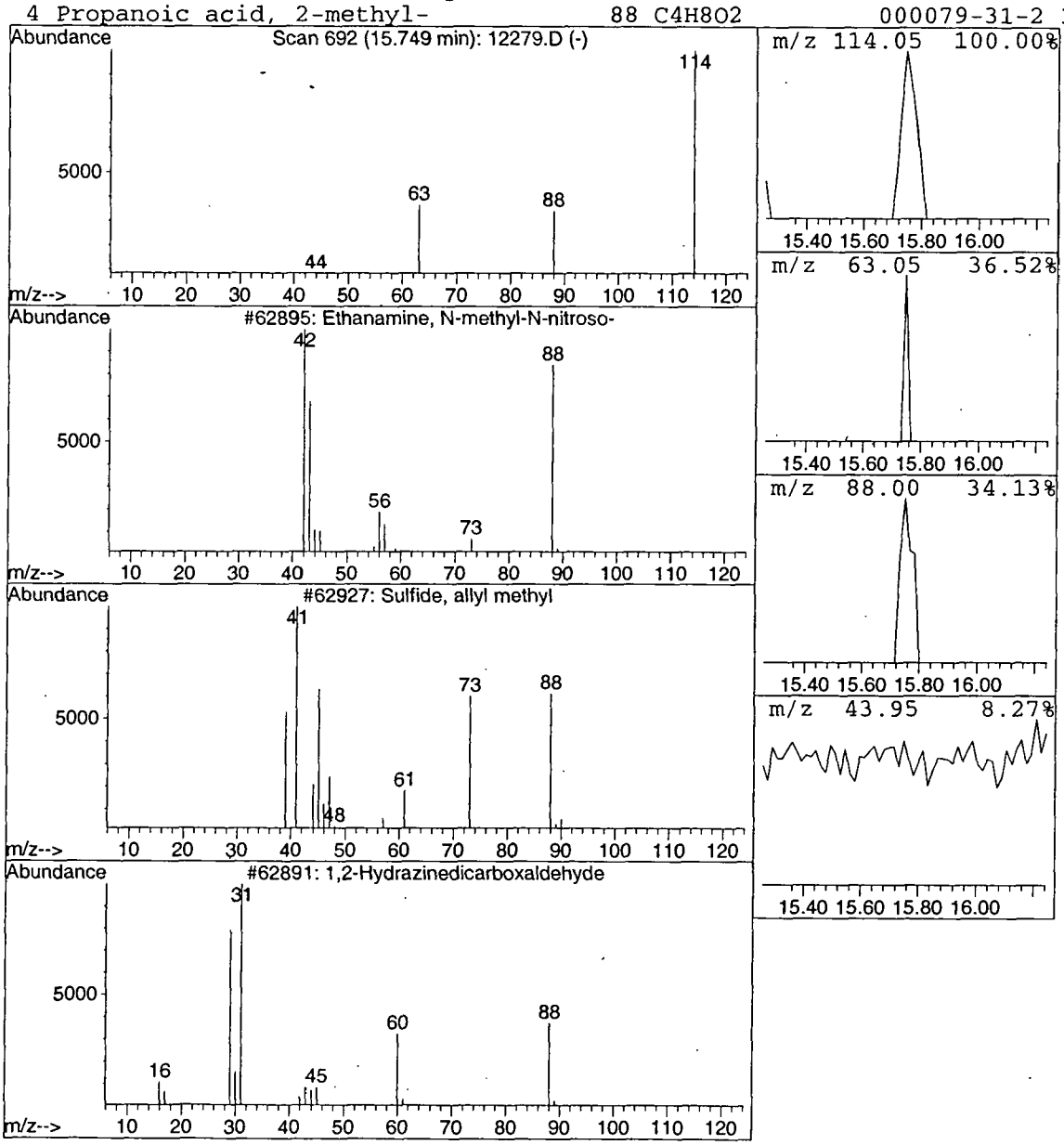
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Ethanamine, N-methyl-N-nitroso Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	0.03 ug/L	18264	1,4-DIFLUOROBENZENE	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanamine, N-methyl-N-nitroso-	88	C3H8N2O	010595-95-6	3
2	Sulfide, allyl methyl	88	C4H8S	010152-76-8	3
3	1,2-Hydrazinedicarboxaldehyde	88	C2H4N2O2	000628-36-4	3
4	Propanoic acid, 2-methyl-	88	C4H8O2	000079-31-2	3



NYC-WTC_000083602

NYC 9/11 Public Portal Document

Data File : C:\HPCHEM\1\DATA\02MAY23\12279.D Vial: 4
Acq On : 23 May 2002 7:07 pm Operator: 201-wb
Sample : nys; Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

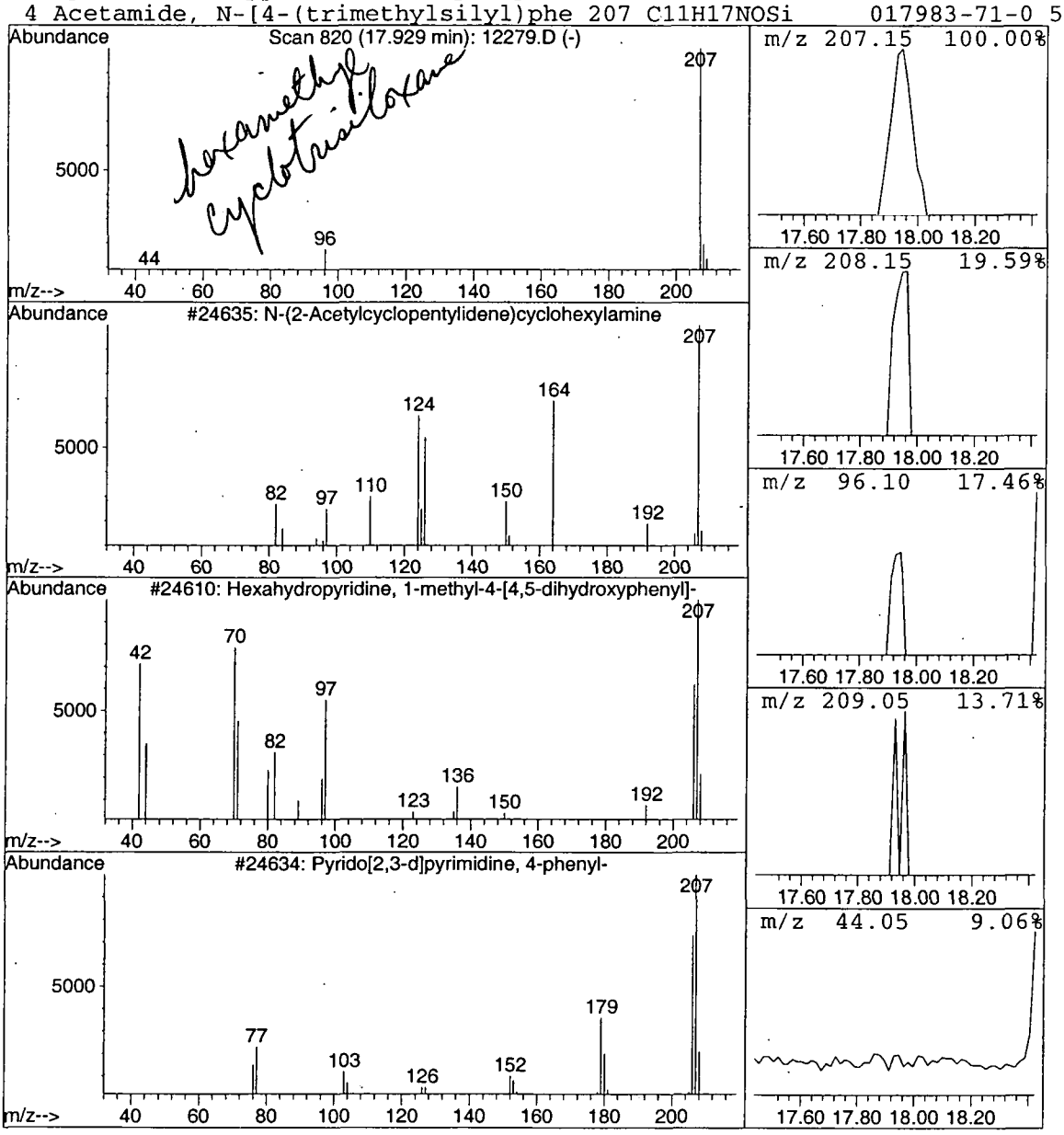
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 N-(2-Acetylcyclopentylidene)cy Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	0.06 ug/L	37704	1,4-DIFLUOROBENZENE	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-(2-Acetylcyclopentylidene)cyclohe	207	C13H21NO	000000-00-0	9
2	Hexahydropyridine, 1-methyl-4-[4,5-	207	C12H17NO2	000000-00-0	9
3	Pyrido[2,3-d]pyrimidine, 4-phenyl-	207	C13H9N3	028732-75-4	5
4	Acetamide, N-[4-(trimethylsilyl)phe	207	C11H17NOSi	017983-71-0	5



NYC-WTC_000083603

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12279.D Vial: 4
Acq On : 23 May 2002 7:07 pm Operator: 201-wb
Sample : nys; Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

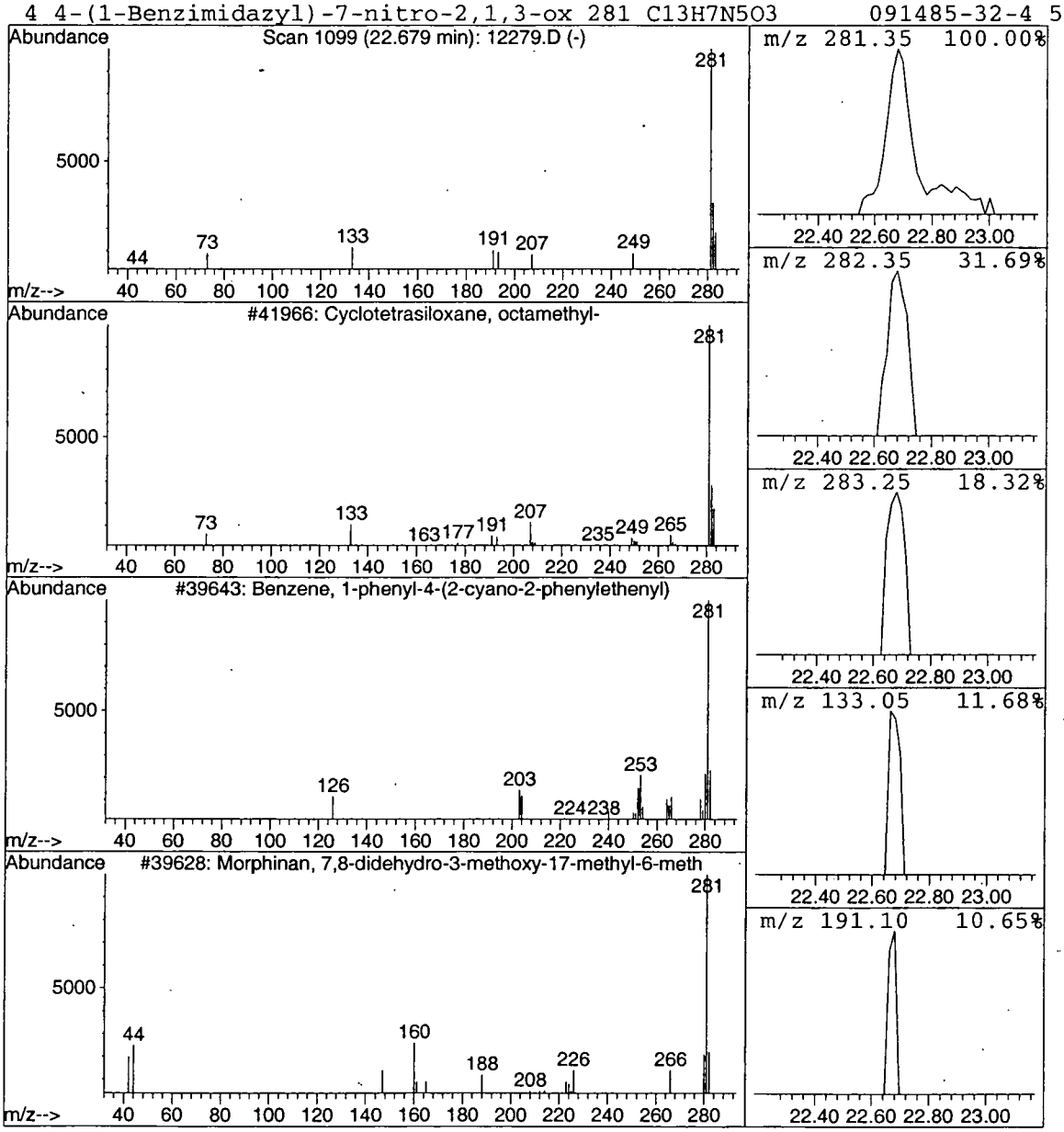
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Cyclotetrasiloxane, octamethyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.68	0.12 ug/L	85481	CHLOROBENZENE-D5	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	83
2	Benzene, 1-phenyl-4-(2-cyano-2-phen	281	C21H15N	027869-56-3	5
3	Morphinan, 7,8-didehydro-3-methoxy-	281	C19H23NO	001816-06-4	5
4	4-(1-Benzimidazyl)-7-nitro-2,1,3-ox	281	C13H7N5O3	091485-32-4	5



User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 05/30/2002 Time: 17:10:39

Sample: AE12279
Analysis: $D_524 Volatile Organic Compounds-Duplicate
Units: ug
Started: 5/23/2002 00:07 Ended: 5/23/2002 00:07 Analyst: BH
Result source: manual entry
Page: 1

	Component Name	Viol	Result	MDL
1	Surr - 1,2-DICHLOROETHANE-D		5.0	.5
2	Surr - 4-BROMOFLUOROBENZE		5.2	.5
3	Dichlorodifluoromethane		< MRL	.5
4	Chloromethane		< MRL	.5
5	Vinyl chloride		< MRL	.5
6	Bromomethane		< MRL	.5
7	Chloroethane		< MRL	.5
8	Trichlorofluoromethane		< MRL	.5
9	1,1-Dichloroethene		< MRL	.5
10	Methylene Chloride		< MRL	.5
11	Methyl tert-butyl ether (MTBE)		< MRL	1.0
12	trans-1,2-dichloroethene		< MRL	.5
13	1,1-dichloroethane		< MRL	.5
14	2-butanone (MEK)		< MRL	2.0
15	2,2-dichloropropane		< MRL	.5
16	cis-1,2-dichloroethene		< MRL 0.37	.5
17	*THM-Chloroform		0.28-below MRL	.5
18	Bromochloromethane		< MRL	.5
19	1,2-dichloroethane		< MRL	.5
20	Surr - TOLUENE-D8		4.9	.5
21	1,1,1- trichloroethane		< MRL	.5
22	1,1-dichloropropene		< MRL	.5
23	Carbon tetrachloride		< MRL	.5
24	Benzene		< MRL	.5
25	Trichloroethene		< MRL	.5
26	1,2-dichloropropane		< MRL	.5
27	Dibromomethane		< MRL 0.12	.5
28	*THM-Bromodichloromethane		0.08-below MRL	.5
29	Methyl iso-butyl ketone (MIBK)		< MRL	1.0
30	cis-1,3-dichloropropene		< MRL	.5
31	Toluene		< MRL	.5
32	trans-1,3-dichloropropene		< MRL	.5
33	1,1,2-trichloroethane		< MRL	.5
34	Tetrachloroethene		< MRL	.5
35	1,3-dichloropropane		< MRL	.5
36	*THM-Dibromochloromethane		< MRL	2.0
37	Chlorobenzene		< MRL	.5
38	1,1,1,2-tetrachloroethane		< MRL	.5
39	Ethylbenzene		< MRL	.5
40	P & M-xylene		< MRL	.5
41	O-xylene		< MRL	.5
42	Styrene		< MRL	.5
43	1,1,2,2-tetrachloroethane		< MRL	.5
44	*THM-Bromoform		< MRL	2.0
45	Isopropylbenzene		< MRL	.5
46	1,2,3-trichloropropane		< MRL	.5
47	N-propylbenzene		< MRL	.5

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 05/30/2002 Time: 17:10:39

Sample: AE12279
Analysis: $D_524 Volatile Organic Compounds-Duplicate
Units: ug
Started: 5/23/2002 00:07 Ended: 5/23/2002 00:07 Analyst: BH
Result source: manual entry
Page: 2

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

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 05/30/2002 Time: 17:11:50

Sample: AE12279
Analysis: $P_524 Duplicate calculation for 524
Units: ug
Started: 5/23/2002 00:07 Ended: 5/23/2002 00:07 Analyst: BH
Result source: calculation
Page: 1

	Component Name	Viol	Result
1	Surr - 1,2-DICHLOROETHANE-D		0.10
2	Surr - 4-BROMOFLUOROBENZE		0.0
3	DICHLORODIFLUOROMETHAN		< MRL
4	CHLOROMETHANE		< MRL
5	VINYL CHLORIDE		< MRL
6	BROMOMETHANE		< MRL
7	CHLOROETHANE		< MRL
8	TRICHLOROFLUOROMETHANE		< MRL
9	1,1-DICHLOROETHENE		< MRL
10	METHYLENE CHLORIDE		< MRL
11	METHYL TERT-BUTYL ETHER		< MRL
12	TRANS-1,2-DICHLOROETHENE		< MRL
13	1,1-DICHLOROETHANE		< MRL
14	2-BUTANONE (MEK)		< MRL
15	2,2-DICHLOROPROPANE		< MRL
16	CIS-1,2-DICHLOROETHENE		< MRL
17	*THM-CHLOROFORM		0.04
18	BROMOCHLOROMETHANE		< MRL
19	1,2-DICHLOROETHANE		< MRL
20	Surr - TOLUENE-D8		0.0
21	1,1,1- TRICHLOROETHANE		< MRL
22	1,1-DICHLOROPROPENE		< MRL
23	CARBON TETRACHLORIDE		< MRL
24	BENZENE		< MRL
25	TRICHLOROETHENE		< MRL
26	1,2-DICHLOROPROPANE		< MRL
27	DIBROMOMETHANE		< MRL
28	*THM-BROMODICHLOROMETH		0.04
29	METHYL ISO-BUTYL KETONE (		< MRL
30	CIS-1,3-DICHLOROPROPENE		< MRL
31	TOLUENE		< MRL
32	TRANS-1,3-DICHLOROPROPEN		< MRL
33	1,1,2-TRICHLOROETHANE		< MRL
34	TETRACHLOROETHENE		< MRL
35	1,3-DICHLOROPROPANE		< MRL
36	*THM-DIBROMOCHLOROMETH		< MRL
37	1,2-DIBROMOETHANE		< MRL
38	CHLOROBENZENE		< MRL
39	1,1,1,2-TETRACHLOROETHANE		< MRL
40	2-HEXANONE		< MRL
41	ETHYLBENZENE		< MRL
42	P & M-XYLENE		< MRL
43	O-XYLENE		< MRL
44	STYRENE		< MRL
45	1,1,2,2-TETRACHLOROETHANE		< MRL
46	*THM-BROMOFORM		< MRL
47	ISOPROPYLBENZENE		< MRL

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 05/30/2002 Time: 17:11:50

Sample: AE12279
Analysis: $P_524 Duplicate calculation for 524
Units: ug
Started: 5/23/2002 00:07 Ended: 5/23/2002 00:07 Analyst: BH
Result source: calculation
Page: 2

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

NYC 9/11 Public Portal Document

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAY23\12279D.D Vial: 4
Acq On : 23 May 2002 7:51 pm Operator: 201-wb
Sample : nys; dup Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 24 15:00 2002 Quant Results File: HP051702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration
DataAcq Meth : HP051702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.10	114	1281313	5.00	ug/L	0.07
24) CHLOROBENZENE-D5	21.76	117	1186279	5.00	ug/L	0.05
52) 1,4-DICHLOROBENZENE-D4	26.94	152	553705	5.00	ug/L	0.05
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.34	65	619824	4.95	ug/L	0.07
Spiked Amount 5.000			Recovery =	99.00%		
3) 4-BROMOFLUOROBENZENE	24.35	174	471007	5.21	ug/L	0.05
Spiked Amount 5.000			Recovery =	104.20%		
25) TOLUENE-D8	18.46	98	1589974	4.91	ug/L	0.05
Spiked Amount 5.000			Recovery =	98.20%		
Target Compounds						Qvalue
12) ACETONE	8.24	43	21701	1.91	ug/L	88
21) CHLOROFORM	12.80	83	29813	0.28	ug/L	97
33) BROMODICHLOROMETHANE	16.77	83	6017	0.08	ug/L	97

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

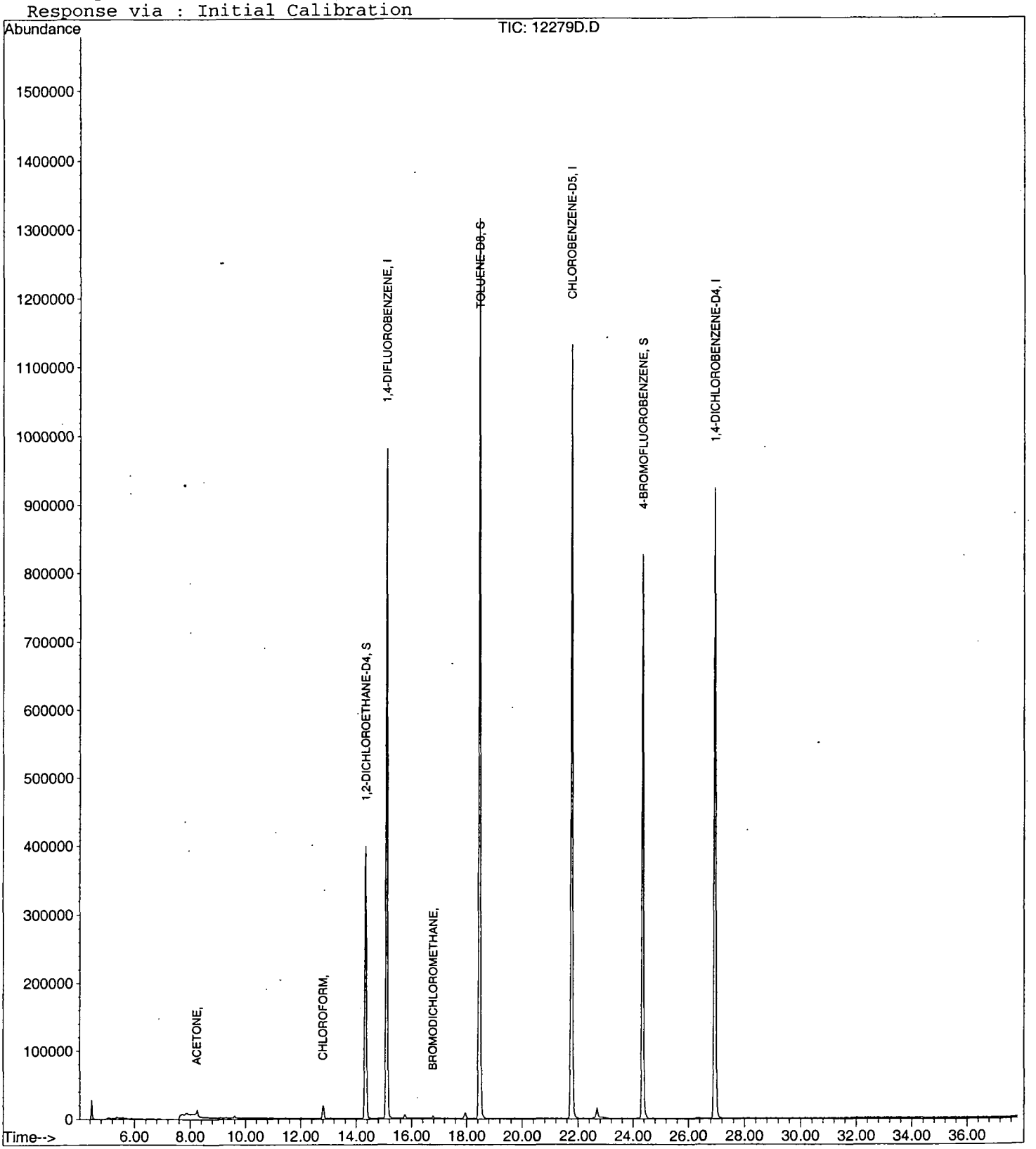
NYC-WTC_000083609

NYC 9/11 Public Portal Document

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12279D.D Vial: 4
Acq On : 23 May 2002 7:51 pm Operator: 201-wb
Sample : nys; dup Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 24 15:00 2002 Quant Results File: HP051702.RES

Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration



NYC-WTC_000083610

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12279D.D Vial: 4
Acq On : 23 May 2002 7:51 pm Operator: 201-wb
Sample : nys; dup Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

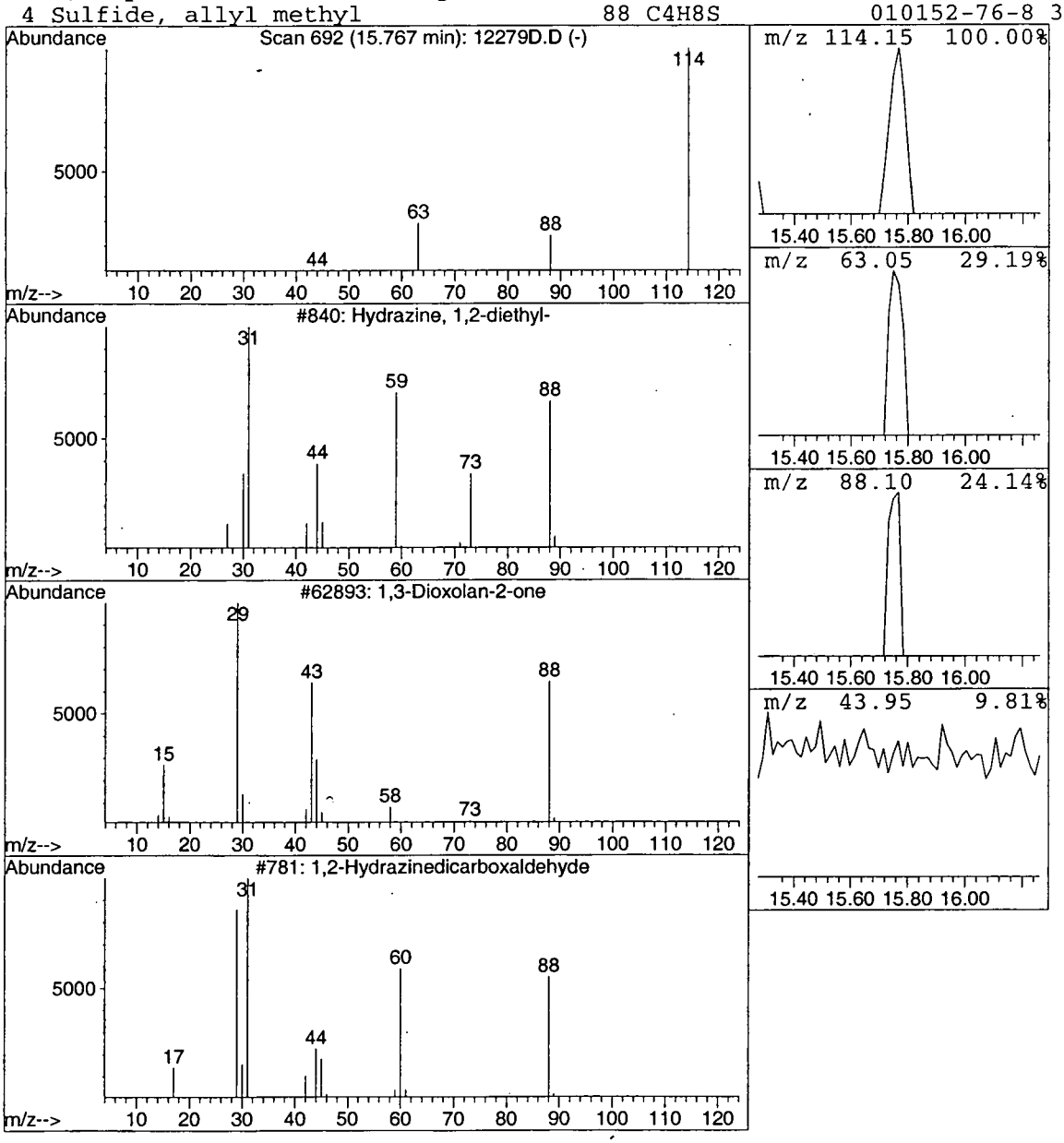
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Hydrazine, 1,2-diethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	0.03 ug/L	20009	1,4-DIFLUOROBENZENE	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrazine, 1,2-diethyl-	88	C4H12N2	001615-80-1	4
2	1,3-Dioxolan-2-one	88	C3H4O3	000096-49-1	4
3	1,2-Hydrazinedicarboxaldehyde	88	C2H4N2O2	000628-36-4	4
4	Sulfide, allyl methyl	88	C4H8S	010152-76-8	3



NYC-WTC_000083611

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12279D.D Vial: 4
Acq On : 23 May 2002 7:51 pm Operator: 201-wb
Sample : nys; dup Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

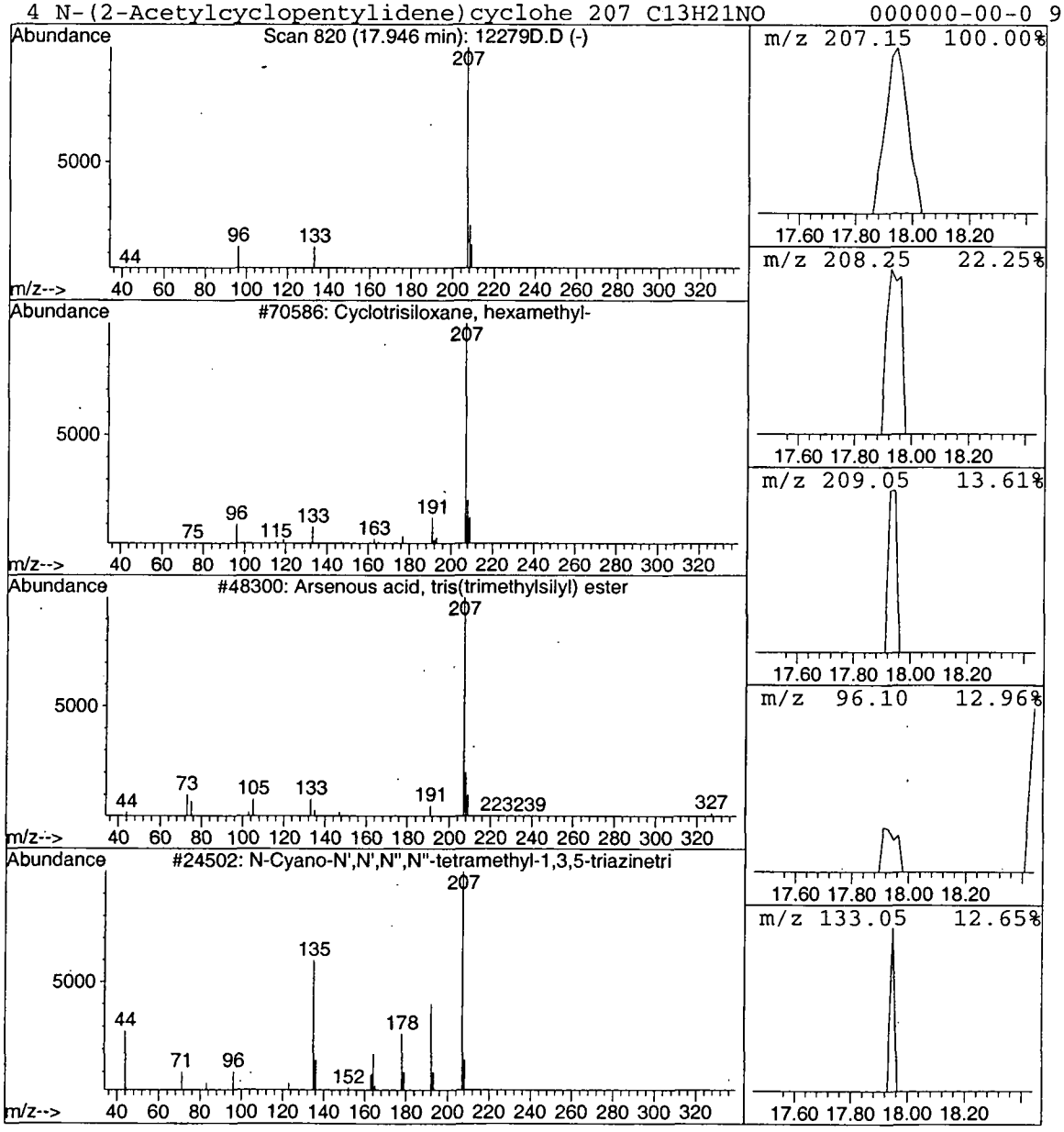
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Cyclotrisiloxane, hexamethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	0.05 ug/L	39163	1,4-DIFLUOROBENZENE	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	74
2	Arsenous acid, tris(trimethylsilyl)	342	C9H27AsO3Si3	055429-29-3	64
3	N-Cyano-N',N',N'',N''-tetramethyl-1	207	C8H13N7	074150-88-2	9
4	N-(2-Acetylcyclopentylidene)cyclohe	207	C13H21NO	000000-00-0	9



NYC-WTC_000083612

NYC 9/11 Public Portal Document

Data File : C:\HPCHEM\1\DATA\02MAY23\12279D.D Vial: 4
Acq On : 23 May 2002 7:51 pm Operator: 201-wb
Sample : nys; dup Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

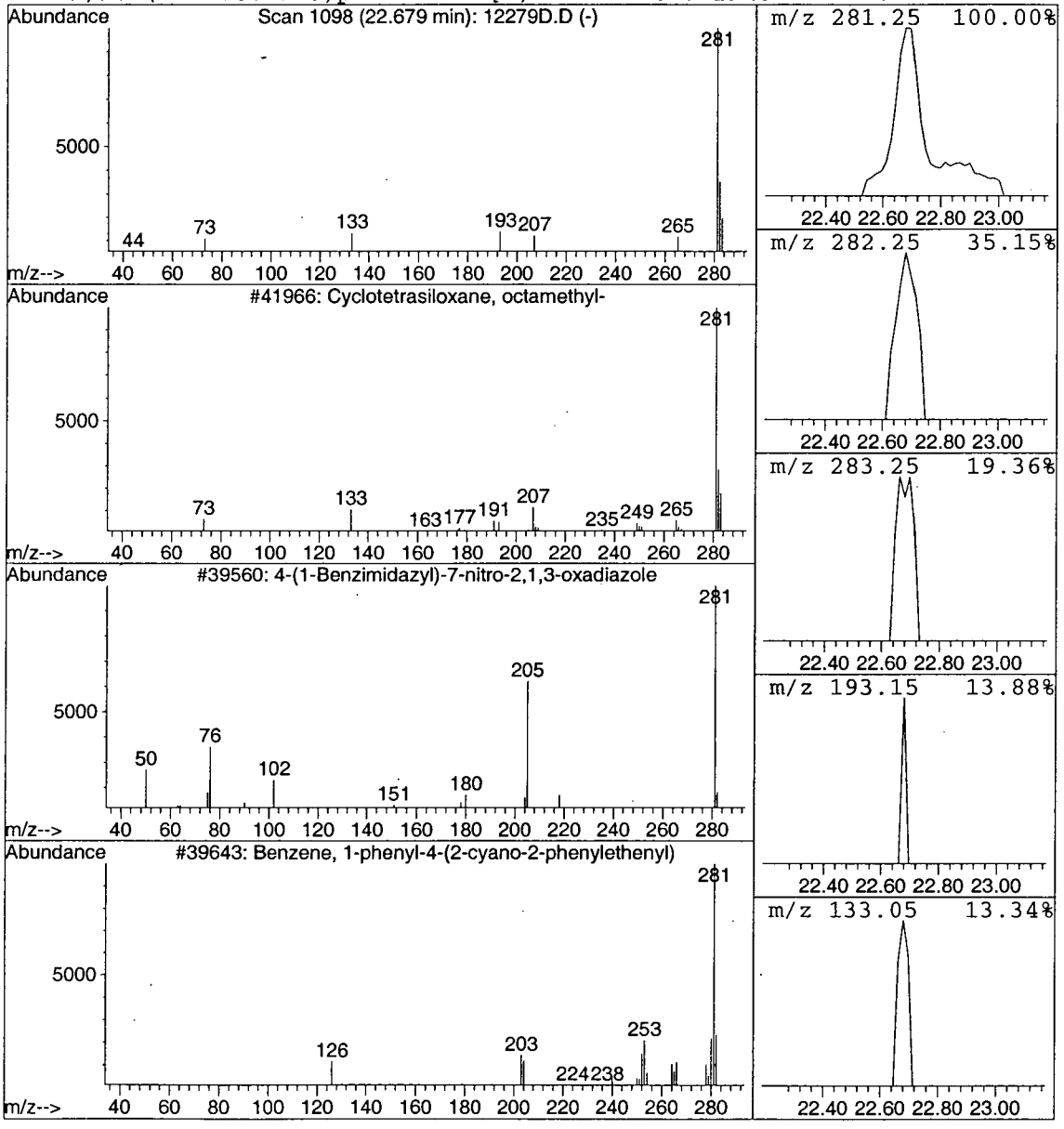
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Cyclotetrasiloxane, octamethyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.68	0.07 ug/L	62736	CHLOROBENZENE-D5	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	83
2	4-(1-Benzimidazyl)-7-nitro-2,1,3-ox	281	C13H7N5O3	091485-32-4	5
3	Benzene, 1-phenyl-4-(2-cyano-2-phen	281	C21H15N	027869-56-3	4
4	7a,9c-(Iminoethano)phenanthro[4,5-b	281	C18H19NO2	024695-70-3	4



NYC-WTC_000083613

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/28/2002 Time: 12:19:01

Sample: AE12280
Analysis: \$524 Volatile Organic Compounds
Units: ug
Started: 5/23/02 00:08 Ended: 5/23/02 00:08 Analyst: BH
Result source: a:\11280.rr
Page: 1

	Component Name	Viol	Result	MDL
1	Surr - 1,2-DICHLOROETHANE-		5.0	0.5
2	Surr - 4-BROMOFLUOROBENZ		5.2	0.5
3	Dichlorodifluoromethane		< MRL	0.5
4	Chloromethane		< MRL	0.5
5	Vinyl chloride		< MRL	0.5
6	Bromomethane		< MRL	0.5
7	Chloroethane		< MRL	0.5
8	Trichlorofluoromethane		< MRL	0.5
9	1,1-Dichloroethene		< MRL	0.5
10	Methylene Chloride		< MRL	0.5
11	Methyl tert-butyl ether (MTBE)		< MRL	1.0
12	trans-1,2-dichloroethene		< MRL	0.5
13	1,1-dichloroethane		< MRL	0.5
14	2-butanone (MEK)		< MRL	2.0
15	2,2-dichloropropane		< MRL	0.5
16	cis-1,2-dichloroethene		< MRL	0.5
17	*THM-Chloroform		< MRL	0.5
18	Bromochloromethane		< MRL	0.5
19	1,2-dichloroethane		< MRL	0.5
20	Surr - TOLUENE-D8		4.9	0.5
21	1,1,1- trichloroethane		< MRL	0.5
22	1,1-dichloropropene		< MRL	0.5
23	Carbon tetrachloride		< MRL	0.5
24	Benzene		< MRL	0.5
25	Trichloroethene		< MRL	0.5
26	1,2-dichloropropane		< MRL	0.5
27	Dibromomethane		< MRL	0.5
28	*THM-Bromodichloromethane		< MRL	0.5
29	Methyl iso-butyl ketone (MIBK)		< MRL	1.0
30	cis-1,3-dichloropropene		< MRL	0.5
31	Toluene		< MRL	0.5
32	trans-1,3-dichloropropene		< MRL	0.5
33	1,1,2-trichloroethane		< MRL	0.5
34	Tetrachloroethene		< MRL	0.5
35	1,3-dichloropropane		< MRL	0.5
36	*THM-Dibromochloromethane		< MRL	2.0
37	Chlorobenzene		< MRL	0.5
38	1,1,1,2-tetrachloroethane		< MRL	0.5
39	Ethylbenzene		< MRL	0.5
40	P & M-xylene		< MRL	0.5
41	O-xylene		< MRL	0.5
42	Styrene		< MRL	0.5
43	1,1,2,2-tetrachloroethane		< MRL	0.5
44	*THM-Bromoform		< MRL	2.0
45	Isopropylbenzene		< MRL	0.5
46	1,2,3-trichloropropane		< MRL	0.5
47	N-propylbenzene		< MRL	0.5
48	Bromobenzene		< MRL	0.5

REVIEWED BY AV
DATE 5/30/01

NYC 9/11 Public Portal Document

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/28/2002 Time: 12:19:01

Sample: AE12280
Analysis: \$524 Volatile Organic Compounds
Units: ug
Started: 5/23/02 00:08 Ended: 5/23/02 00:08 Analyst: BH
Result source: a:\11280.rr

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

NYC 9/11 Public Portal Document

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAY23\12280.D Vial: 5
Acq On : 23 May 2002 8:34 pm Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 24 15:01 2002 Quant Results File: HP051702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration
DataAcq Meth : HP051702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.10	114	1272257	5.00	ug/L	0.07
24) CHLOROBENZENE-D5	21.76	117	1181784	5.00	ug/L	0.05
52) 1,4-DICHLOROBENZENE-D4	26.94	152	553981	5.00	ug/L	0.05
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.34	65	624400	5.03	ug/L	0.07
Spiked Amount 5.000			Recovery =	100.60%		
3) 4-BROMOFLUOROBENZENE	24.35	174	466969	5.20	ug/L	0.05
Spiked Amount 5.000			Recovery =	104.00%		
25) TOLUENE-D8	18.46	98	1586384	4.91	ug/L	0.05
Spiked Amount 5.000			Recovery =	98.20%		
Target Compounds						Qvalue
12) ACETONE	8.26	43	16530	1.47	ug/L	98

(#) = qualifier out of range (m) = manual integration
12280.D HP051702.M Fri May 24 15:01:45 2002 Page 1

NYC-WTC_000083616

NYC 9/11 Public Portal Document

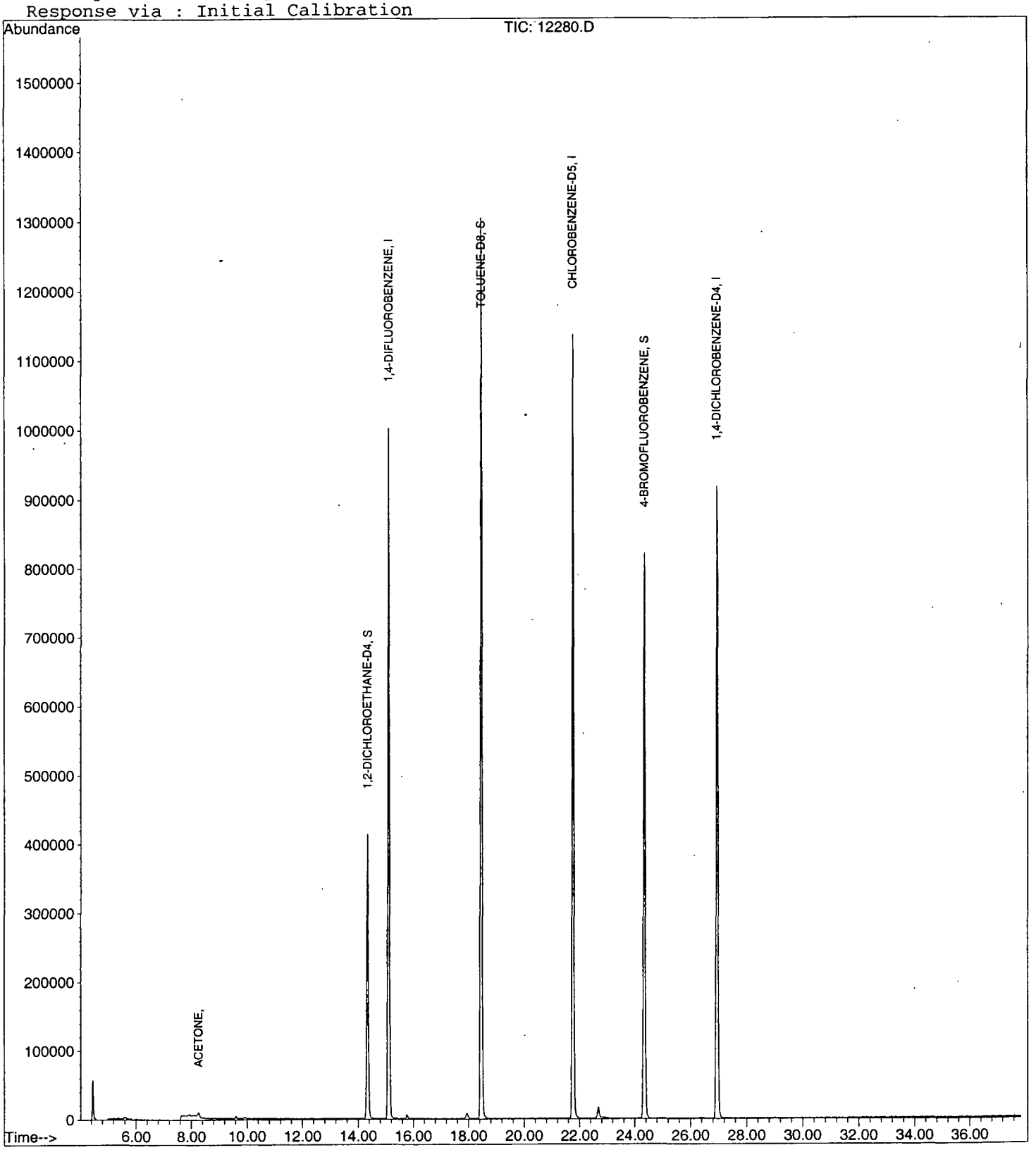
Quantitation Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12280.D
Acq On : 23 May 2002 8:34 pm
Sample : nys
Misc :
MS Integration Params: GAS6.P
Quant Time: May 24 15:01 2002

Vial: 5
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: HP051702.RES

Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration



NYC-WTC_000083617

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12280.D Vial: 5
Acq On : 23 May 2002 8:34 pm Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

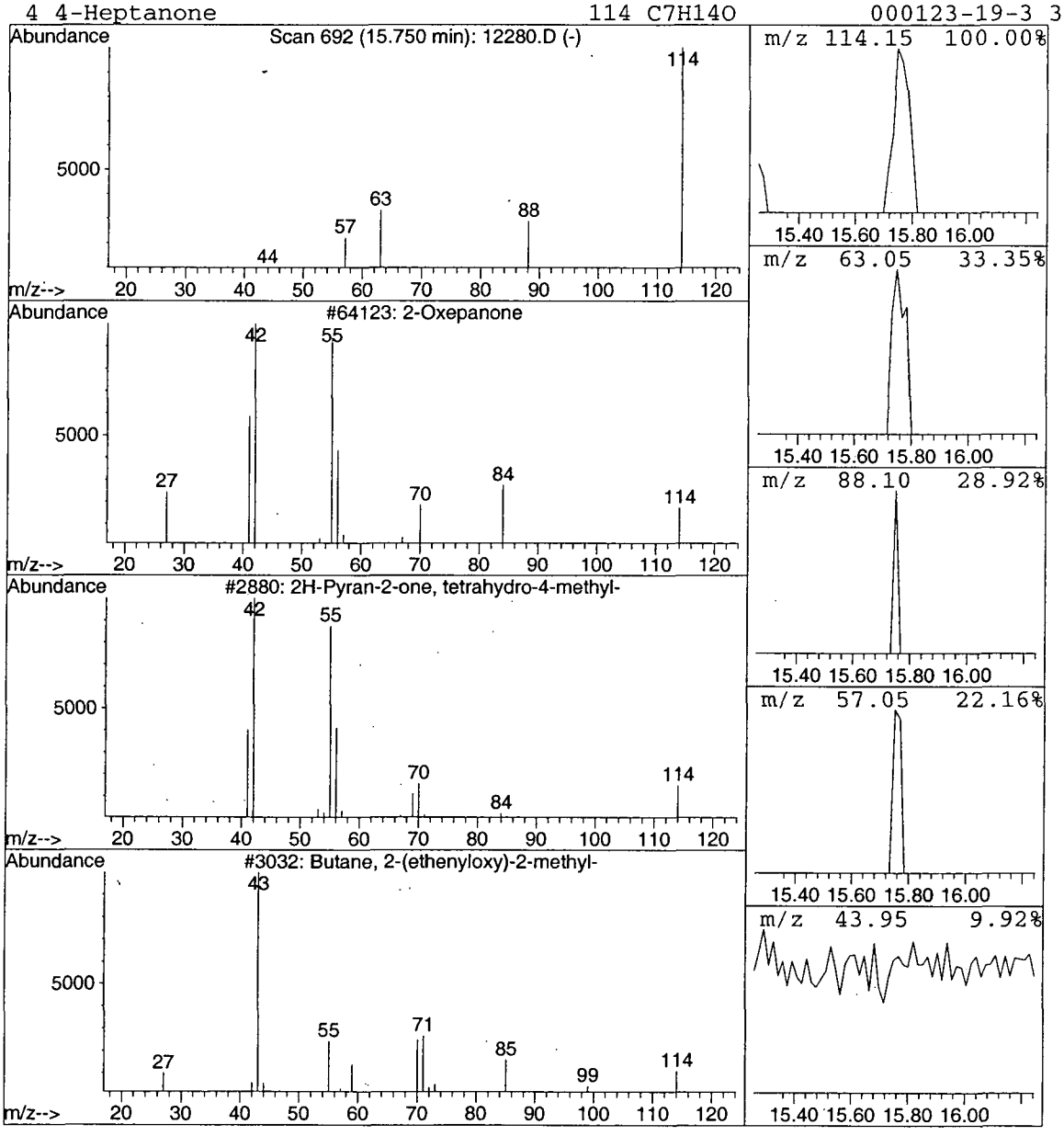
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2-Oxepanone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.75	0.03 ug/L	20351	1,4-DIFLUOROBENZENE	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Oxepanone	114	C6H10O2	000502-44-3	3
2	2H-Pyran-2-one, tetrahydro-4-methyl	114	C6H10O2	001121-84-2	3
3	Butane, 2-(ethenyloxy)-2-methyl-	114	C7H14O	029281-39-8	3
4	4-Heptanone	114	C7H14O	000123-19-3	3



NYC-WTC_000083618

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12280.D Vial: 5
Acq On : 23 May 2002 8:34 pm Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

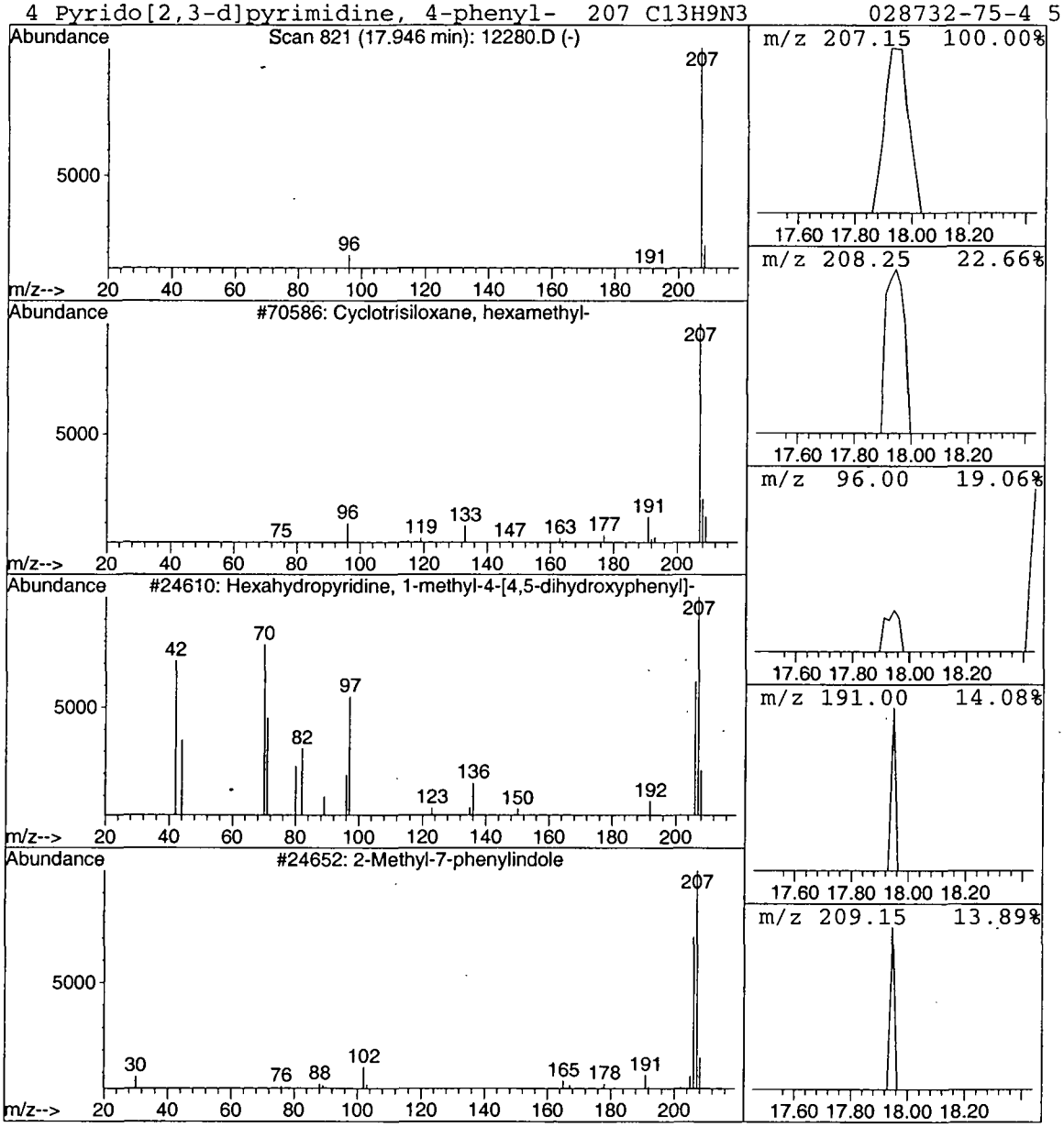
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Cyclotrisiloxane, hexamethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	0.05 ug/L	37045	1,4-DIFLUOROBENZENE	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	43
2	Hexahydropyridine, 1-methyl-4-[4,5-	207	C12H17NO2	000000-00-0	9
3	2-Methyl-7-phenylindole	207	C15H13N	000000-00-0	9
4	Pyrido[2,3-d]pyrimidine, 4-phenyl-	207	C13H9N3	028732-75-4	5



NYC-WTC_000083619

NYC 9/11 Public Portal Document

Data File : C:\HPCHEM\1\DATA\02MAY23\12280.D Vial: 5
Acq On : 23 May 2002 8:34 pm Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

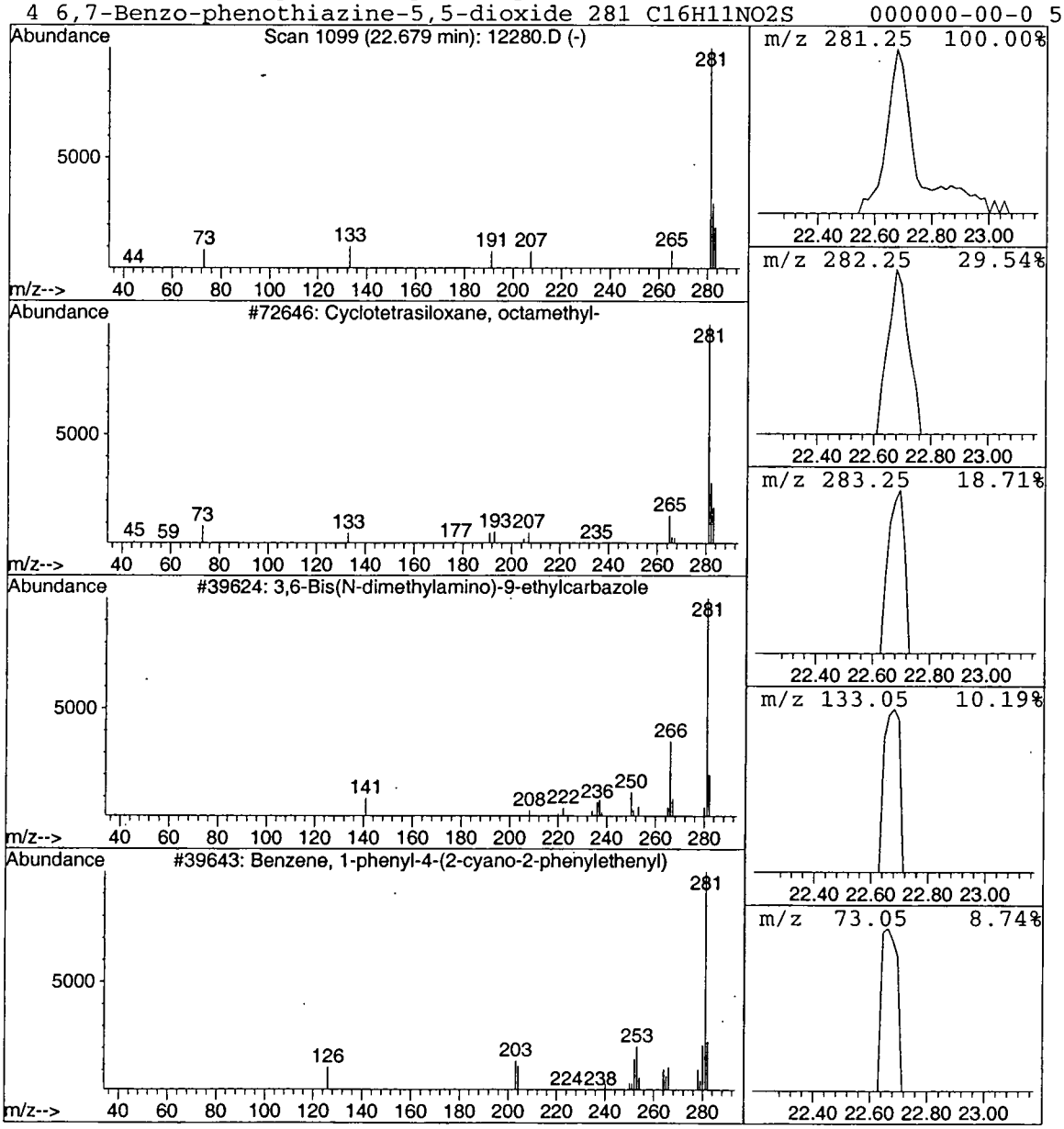
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Cyclotetrasiloxane, octamethyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.68	0.09 ug/L	78646	CHLOROBENZENE-D5	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	74
2	3,6-Bis(N-dimethylamino)-9-ethylcar	281	C18H23N3	057103-04-5	9
3	Benzene, 1-phenyl-4-(2-cyano-2-phen	281	C21H15N	027869-56-3	9
4	6,7-Benzo-phenothiazine-5,5-dioxide	281	C16H11NO2S	000000-00-0	5



NYC-WTC_000083620

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/31/2002 Time: 12:03:29

Sample: AE12279
Analysis: $C2524 Volatile Organic Compounds-Cal 2
Units: ug
Started: 5/23/02 00:09 Ended: 5/23/02 00:09 Analyst: BH
Result source: manual entry
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Surr_1,2-DICHLOROETHANE-		5.1		.5
2	Surr_4-BROMOFLUOROBENZE		5.9		.5
3	Dichlorodifluoromethane		9.7		.5
4	Chloromethane		11		.5
5	Vinyl chloride		9.8		.5
6	Bromomethane		11		.5
7	Chloroethane		11		.5
8	Trichlorofluoromethane		9.0		.5
9	1,1-Dichloroethene		11		.5
10	Methylene Chloride		13		.5
11	Methyl tert-butyl ether (MTBE)		11		1.0
12	trans-1,2-dichloroethene	USPEC	13		.5
13	1,1-dichloroethane	USPEC	13		.5
14	2-butanone (MEK)		50		2.0
15	2,2-dichloropropane		11		.5
16	cis-1,2-dichloroethene		13		.5
17	Chloroform		12		.5
18	Bromochloromethane	USPEC	14		.5
19	1,2-dichloroethane	USPEC	13		.5
20	Surr_TOLUENE-D8		4.8		.5
21	1,1,1- trichloroethane		10		.5
22	1,1-dichloropropene		11		.5
23	Carbon tetrachloride		10		.5
24	Benzene		12		.5
25	Trichloroethene		11		.5
26	1,2-dichloropropane		12		.5
27	Dibromomethane		11		.5
28	Bromodichloromethane		11		.5
29	Methyl iso-butyl ketone		50		1.0
30	cis-1,3-dichloropropene		12		.5
31	Toluene		12		.5
32	trans-1,3-dichloropropene		10		.5
33	1,1,2-trichloroethane		12		.5
34	Tetrachloroethene		12		.5
35	1,3-dichloropropane		12		.5
36	Dibromochloromethane		12		2.0
37	Chlorobenzene		12		.5
38	1,1,1,2-tetrachloroethane		12		.5
39	Ethylbenzene		12		.5
40	P & M-xylene		24		.5
41	O-xylene		12		.5
42	Styrene		13		.5
43	1,1,2,2-tetrachloroethane		13		.5
44	Bromoform	USPEC	13		2.0
45	Isopropylbenzene		12		.5
46	1,2,3-trichloropropane		12		.5
47	N-propylbenzene		12		.5
48	Bromobenzene		12		.5

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/31/2002 Time: 12:03:29

Sample: AE12279
Analysis: $C2524 Volatile Organic Compounds-Cal 2
Units: ug
Started: 5/23/02 00:09 Ended: 5/23/02 00:09 Analyst: BH
Result source: manual entry
Page: 2

	Component Name	Vial	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		12		.5
50	2-chlorotoluene		12		.5
51	4-chlorotoluene		11		.5
52	TERT-butylbenzene		12		.5
53	1,2,4-trimethylbenzene		12		.5
54	SEC-butylbenzene		11		.5
55	P-isopropyltoluene		11		.5
56	1,3-dichlorobenzene		12		.5
57	1,4-dichlorobenzene		12		.5
58	N-butylbenzene		12		.5
59	1,2-dichlorobenzene		12		.5
60	1,2,4-trichlorobenzene		12		.5
61	Hexachlobutadiene		11		.5
62	Naphthalene		8.2		.5
63	1,2,3-trichlorobenzene		11		.5
64	Nitrobenzene		220		5.0

NYC 9/11 Public Portal Document

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAY23\0523C10A.D Vial: 2
Acq On : 23 May 2002 9:17 pm Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 31 12:02 2002 Quant Results File: HP051702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri May 31 11:43:42 2002
Response via : Initial Calibration
DataAcq Meth : HP051702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.10	114	1378178	5.00	ug/L	0.07
24) CHLOROBENZENE-D5	21.76	117	1340558	5.00	ug/L	0.05
52) 1,4-DICHLOROBENZENE-D4	26.93	152	689681	5.00	ug/L	0.05
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.34	65	679911	5.05	ug/L	0.07
Spiked Amount 5.000			Recovery =	101.00%		
3) 4-BROMOFLUOROBENZENE	24.35	174	568748	5.85	ug/L	0.05
Spiked Amount 5.000			Recovery =	117.00%		
25) TOLUENE-D8	18.46	98	1759119	4.80	ug/L	0.05
Spiked Amount 5.000			Recovery =	96.00%		
Target Compounds						Qvalue
4) DICHLORODIFLUOROMETHANE	4.85	85	513584	9.68	ug/L	98
5) CHLOROMETHANE	5.36	50	897397	10.87	ug/L	99
6) VINYL CHLORIDE	5.59	62	411735	9.84	ug/L	97
7) BROMOMETHANE	6.56	94	232275	10.52	ug/L	100
8) CHLOROETHANE	6.72	64	457064	11.09	ug/L	99
9) TRICHLOROFLUOROMETHANE	7.27	101	692305	8.98	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	8.16	101	464605	10.55	ug/L	99
12) ACETONE	8.24	43	390715	32.01	ug/L	99
13) 1,1-DICHLOROETHENE	8.60	61	1125858	11.36	ug/L	99
14) METHYLENE CHLORIDE	9.60	49	1170542	12.96	ug/L	95
15) METHYL TERT BUTYL ETHER	9.91	73	763270	10.90	ug/L	96
16) TRANS-1,2-DICHLOROETHENE	10.27	61	1324774	13.19	ug/L	90
17) 1,1-DICHLOROETHANE	11.17	63	1437712	13.22	ug/L	99
18) 2-BUTANONE (MEK)	11.99	43	456599	49.81	ug/L	94
19) 2,2-DICHLOROPROPANE	12.38	77	951012	10.78	ug/L	97
20) CIS-1,2-DICHLOROETHENE	12.48	96	752236	12.75	ug/L	98
21) CHLOROFORM	12.80	83	1433935	12.32	ug/L	99
22) BROMOCHLOROMETHANE	13.20	49	635929	13.89	ug/L	97
23) 1,2-DICHLOROETHANE	14.54	62	1133541	13.03	ug/L	100
26) 1,1,1-TRICHLOROETHANE	13.71	97	1086887	9.97	ug/L	99
27) 1,1-DICHLOROPROPENE	14.03	75	1142909	11.26	ug/L	99
28) CARBON TETRACHLORIDE	14.29	117	905679	10.10	ug/L	98
29) BENZENE	14.63	78	2639631	12.04	ug/L	100
30) TRICHLOROETHENE	15.90	95	820162	11.23	ug/L	95
31) 1,2-DICHLOROPROPANE	16.26	63	733893	12.41	ug/L	94
32) DIBROMOMETHANE	16.94	174	328441	11.46	ug/L	93
33) BROMODICHLOROMETHANE	16.79	83	959362	11.15	ug/L	100
34) 2-CHLOROETHYL VINYL ETHER	17.26	63	191386	16.78	ug/L	99
35) METHYL ISO-BUTYL KETONE	17.33	58	373317	50.38	ug/L	89
36) CIS-1,3-DICHLOROPROPENE	17.88	75	982748	11.80	ug/L	100
37) TOLUENE	18.63	91	2709796	12.11	ug/L	99
38) TRANS-1,3-DICHLOROPROPENE	18.92	75	699195	10.09	ug/L	99
39) 1,1,2-TRICHLOROETHANE	19.29	97	412386	11.97	ug/L	98
40) TETRACHLOROETHENE	20.07	166	773722	11.74	ug/L	98
41) 1,3-DICHLOROPROPANE	19.82	76	818410	12.23	ug/L	97
42) DIBROMOCHLOROMETHANE	20.52	129	489894	11.75	ug/L	99
43) 1,2-DIBROMOETHANE	20.98	107	413129	11.51	ug/L	96
44) CHLOROBENZENE	21.84	112	1674536	12.36	ug/L	97
45) 1,1,1,2-TETRACHLOROETHANE	21.90	131	605436	11.57	ug/L	99
46) 2-HEXANONE	19.19	43	724930	51.12	ug/L	99
47) ETHYLBENZENE	21.88	91	3258077	12.36	ug/L	99

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

NYC-WTC_000083623

NYC 9/11 Public Portal Document

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAY23\0523C10A.D Vial: 2
Acq On : 23 May 2002 9:17 pm Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 31 12:02 2002 Quant Results File: HP051702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri May 31 11:43:42 2002
Response via : Initial Calibration
DataAcq Meth : HP051702

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
48)	P & M-XYLENE	22.05	106	2050386	24.25	ug/L	99
49)	O-XYLENE	23.02	91	2500446	12.17	ug/L	96
50)	STYRENE	23.07	104	1636012	12.51	ug/L	95
51)	1,1,2,2-TETRACHLOROETHANE	24.09	83	426367	12.61	ug/L	100
53)	BROMOFORM	23.94	173	234768	13.24	ug/L	99
54)	ISOPROPYLBENZENE	23.73	105	2753735	12.05	ug/L	98
55)	1,2,3-TRICHLOROPROPANE	24.43	110	128501	11.67	ug/L	92
56)	N-PROPYLBENZENE	24.62	91	3495883	11.63	ug/L	99
57)	BROMOBENZENE	24.86	156	679806	12.19	ug/L	91
58)	1,3,5-TRIMETHYLBENZENE	24.93	105	2386108	11.62	ug/L	96
59)	2-CHLOROTOLUENE	25.10	91	2452316	11.71	ug/L	98
60)	4-CHLOROTOLUENE	25.16	91	2234178	10.67	ug/L	96
61)	TERT-BUTYLBENZENE	25.73	119	2118307	11.62	ug/L	99
62)	1,2,4-TRIMETHYLBENZENE	25.81	105	2485238	11.73	ug/L	98
63)	SEC-BUTYLBENZENE	26.19	105	2856577	11.39	ug/L	99
64)	P-ISOPROPYLTOLUENE	26.44	119	2222908	11.26	ug/L	98
65)	1,3-DICHLOROBENZENE	26.80	146	1237403	11.85	ug/L	97
66)	1,4-DICHLOROBENZENE	27.02	146	1230640	11.63	ug/L	98
67)	N-BUTYLBENZENE	27.33	91	2367399	11.57	ug/L	99
68)	1,2-DICHLOROBENZENE	27.87	146	1013369	11.72	ug/L	99
69)	1,2-DIBROMO-3-CHLOROPROPAN	29.66	157	51949	12.28	ug/L	100
70)	1,2,4-TRICHLOROBENZENE	31.94	180	657774	11.51	ug/L	98
71)	HEXACHLOROBUTADIENE	32.26	225	499955	11.35	ug/L	97
72)	NAPHTHALENE	32.79	128	374778	8.21	ug/L	99
73)	1,2,3-TRICHLOROBENZENE	33.51	180	502537	11.45	ug/L	96
74)	NITROBENZENE	29.88	77	205398	218.68	ug/L	99

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

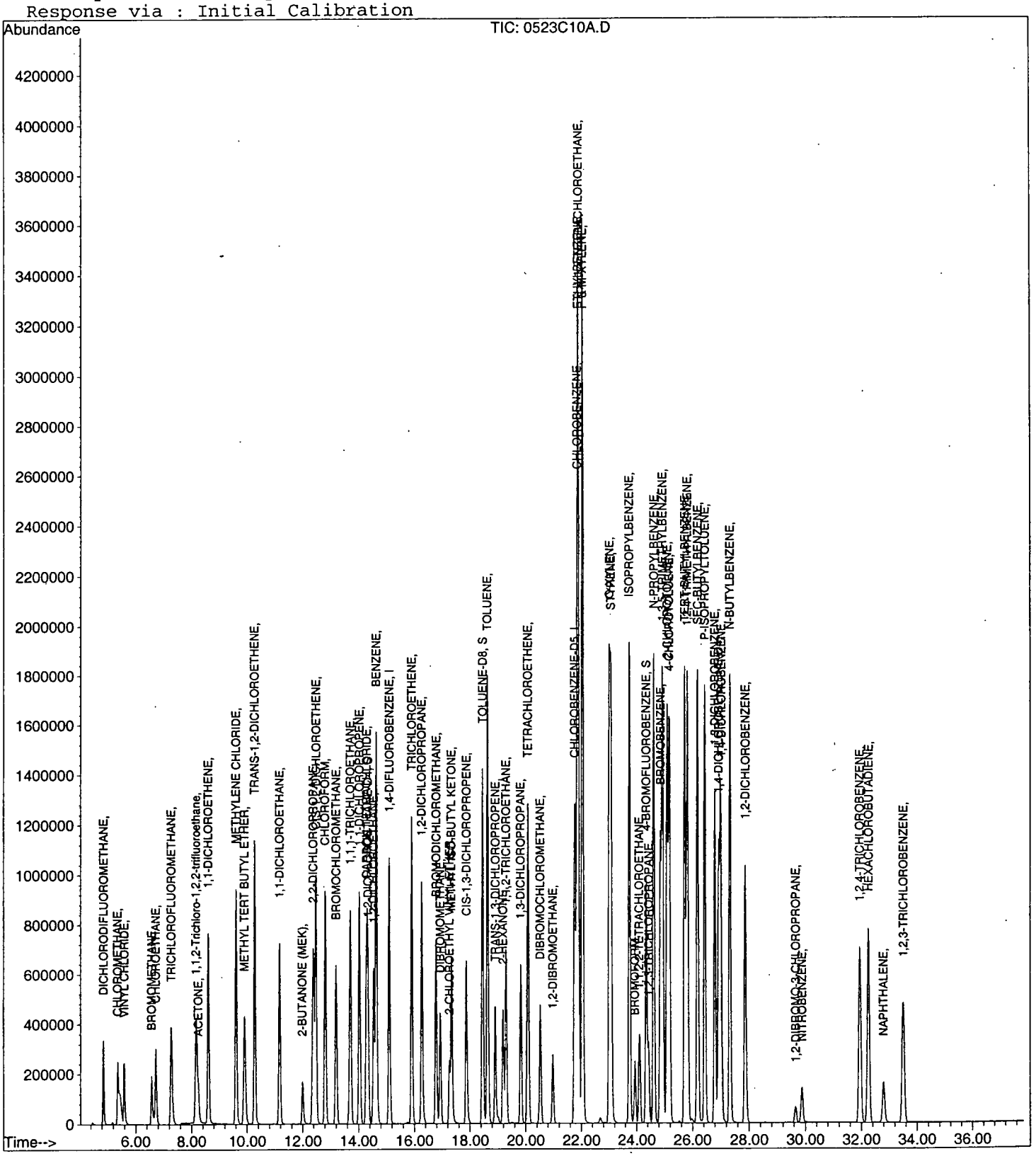
NYC-WTC_000083624

NYC 9/11 Public Portal Document

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02MAY23\0523C10A.D Vial: 2
Acq On : 23 May 2002 9:17 pm Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 31 12:02 2002 Quant Results File: HP051702.RES

Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration



NYC-WTC_000083625

NYC 9/11 Public Portal Document

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02may23\0523B3.D Vial: 3
Acq On : 23 May 2002 10:01 pm Operator: 201-wb
Sample : lb Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 23 22:39 2002 Quant Results File: HP051702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 10:09:12 2002
Response via : Initial Calibration
DataAcq Meth : HP051702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	0.00	114	0	0.00	ug/L	-15.03
24) CHLOROBENZENE-D5	0.00	117	0	0.00	ug/L	-21.71
52) 1,4-DICHLOROBENZENE-D4	0.00	152	0	0.00	ug/L	-26.88
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	0.00	65	0	0.00	ug/L	
Spiked Amount 5.000			Recovery =	0.00%		
3) 4-BROMOFLUOROBENZENE	0.00	174	0	0.00	ug/L	
Spiked Amount 5.000			Recovery =	0.00%		
25) TOLUENE-D8	0.00	98	0	0.00	ug/L	
Spiked Amount 5.000			Recovery =	0.00%		

Target Compounds Qvalue

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

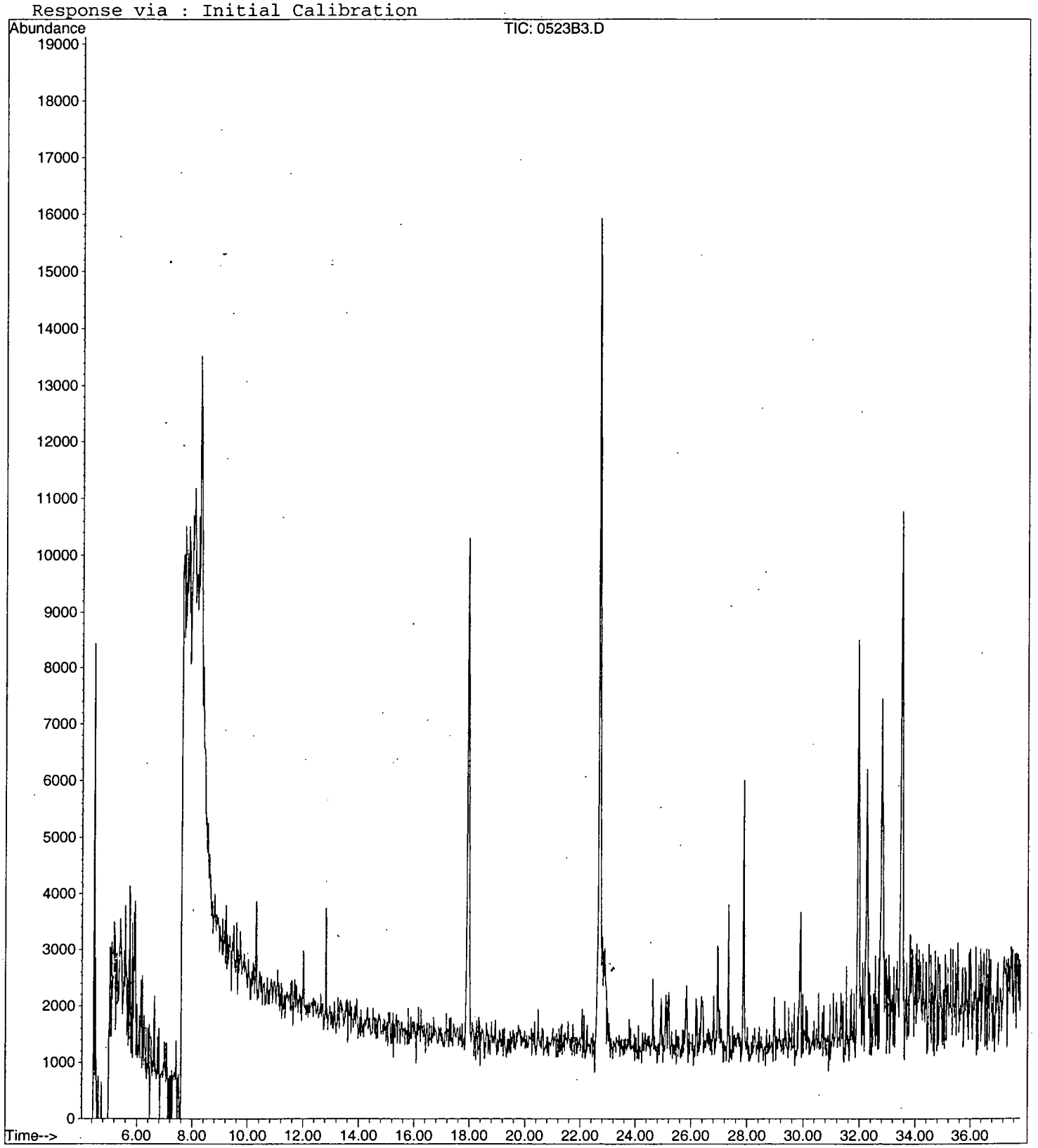
NYC-WTC_000083626

NYC 9/11 Public Portal Document

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02may23\0523B3.D Vial: 3
Acq On : 23 May 2002 10:01 pm Operator: 201-wb
Sample : lb Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 23 22:39 2002 Quant Results File: HP051702.RES

Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration



NYC-WTC_000083627

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 05/30/2002 Time: 17:15:47

Sample: AE12282
Analysis: $524 Volatile Organic Compounds
Units: ug
Started: 5/23/2002 00:00 Ended: 5/23/2002 00:00 Analyst: BH
Result source: manual entry
Page: 1

	Component Name	Viol	Result	MDL
1	Surr - 1,2-DICHLOROETHANE-D		5.0	0.5
2	Surr - 4-BROMOFLUOROBENZE		5.2	0.5
3	Dichlorodifluoromethane		< MRL	0.5
4	Chloromethane		< MRL	0.5
5	Vinyl chloride		< MRL	0.5
6	Bromomethane		< MRL	0.5
7	Chloroethane		< MRL	0.5
8	Trichlorofluoromethane		< MRL	0.5
9	1,1-Dichloroethene		< MRL	0.5
10	Methylene Chloride		< MRL	0.5
11	Methyl tert-butyl ether (MTBE)		< MRL	1.0
12	trans-1,2-dichloroethene		< MRL	0.5
13	1,1-dichloroethane		< MRL	0.5
14	2-butanone (MEK)		< MRL	2.0
15	2,2-dichloropropane		< MRL	0.5
16	cis-1,2-dichloroethene		< MRL	0.5
17	*THM-Chloroform		0.29-below MRL	0.5
18	Bromochloromethane		< MRL	0.5
19	1,2-dichloroethane		< MRL	0.5
20	Surr - TOLUENE-D8		4.9	0.5
21	1,1,1- trichloroethane		< MRL	0.5
22	1,1-dichloropropene		< MRL	0.5
23	Carbon tetrachloride		< MRL	0.5
24	Benzene		< MRL	0.5
25	Trichloroethene		< MRL	0.5
26	1,2-dichloropropane		< MRL	0.5
27	Dibromomethane		< MRL	0.5
28	*THM-Bromodichloromethane		0.09-below MRL	0.5
29	Methyl iso-butyl ketone (MIBK)		< MRL	1.0
30	cis-1,3-dichloropropene		< MRL	0.5
31	Toluene		< MRL	0.5
32	trans-1,3-dichloropropene		< MRL	0.5
33	1,1,2-trichloroethane		< MRL	0.5
34	Tetrachloroethene		< MRL	0.5
35	1,3-dichloropropane		< MRL	0.5
36	*THM-Dibromochloromethane		< MRL	2.0
37	Chlorobenzene		< MRL	0.5
38	1,1,1,2-tetrachloroethane		< MRL	0.5
39	Ethylbenzene		< MRL	0.5
40	P & M-xylene		< MRL	0.5
41	O-xylene		< MRL	0.5
42	Styrene		< MRL	0.5
43	1,1,2,2-tetrachloroethane		< MRL	0.5
44	*THM-Bromoform		< MRL	2.0
45	Isopropylbenzene		< MRL	0.5
46	1,2,3-trichloropropane		< MRL	0.5
47	N-propylbenzene		< MRL	0.5

REVIEWED BY AV
DATE 5/30/02

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 05/30/2002 Time: 17:15:47

Sample: AE12282
Analysis: $524 Volatile Organic Compounds
Units: ug
Started: 5/23/2002 00:00 Ended: 5/23/2002 00:00 Analyst: BH
Result source: manual entry
Page: 2

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

NYC 9/11 Public Portal Document

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAY23\12282.D Vial: 6
Acq On : 23 May 2002 10:44 pm Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 24 15:03 2002 Quant Results File: HP051702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration
DataAcq Meth : HP051702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.10	114	1276760	5.00	ug/L	0.07
24) CHLOROBENZENE-D5	21.76	117	1189916	5.00	ug/L	0.05
52) 1,4-DICHLOROBENZENE-D4	26.95	152	540048	5.00	ug/L	0.07
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.34	65	627961	5.04	ug/L	0.07
Spiked Amount 5.000			Recovery =	100.80%		
3) 4-BROMOFLUOROBENZENE	24.35	174	467622	5.19	ug/L	0.05
Spiked Amount 5.000			Recovery =	103.80%		
25) TOLUENE-D8	18.46	98	1593651	4.90	ug/L	0.05
Spiked Amount 5.000			Recovery =	98.00%		
Target Compounds						Qvalue
12) ACETONE	8.26	43	19094	1.69	ug/L	88
14) METHYLENE CHLORIDE	9.60	49	5742	0.07	ug/L	88
21) CHLOROFORM	12.82	83	31014	0.29	ug/L	99
33) BROMODICHLOROMETHANE	16.79	83	6967	0.09	ug/L	98

last cont.

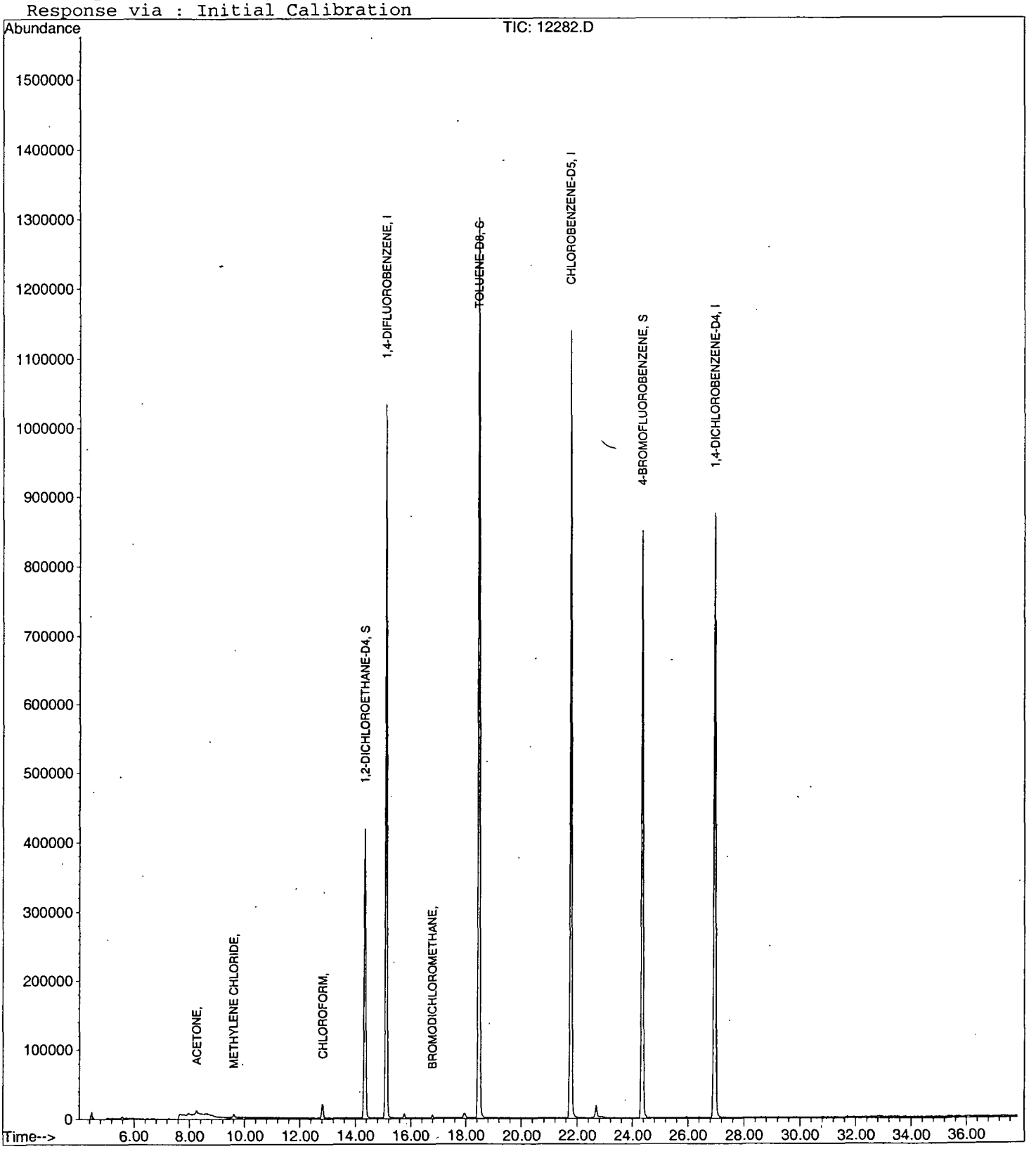
(#) = qualifier out of range (m) = manual integration
12282.D HP051702.M Fri May 24 15:03:18 2002 Page 1

NYC-WTC_000083630

NYC 9/11 Public Portal Document

Data File : C:\HPCHEM\1\DATA\02MAY23\12282.D Vial: 6
Acq On : 23 May 2002 10:44 pm Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 24 15:03 2002 Quant Results File: HP051702.RES

Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration



NYC-WTC_000083631

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12282.D Vial: 6
Acq On : 23 May 2002 10:44 pm Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

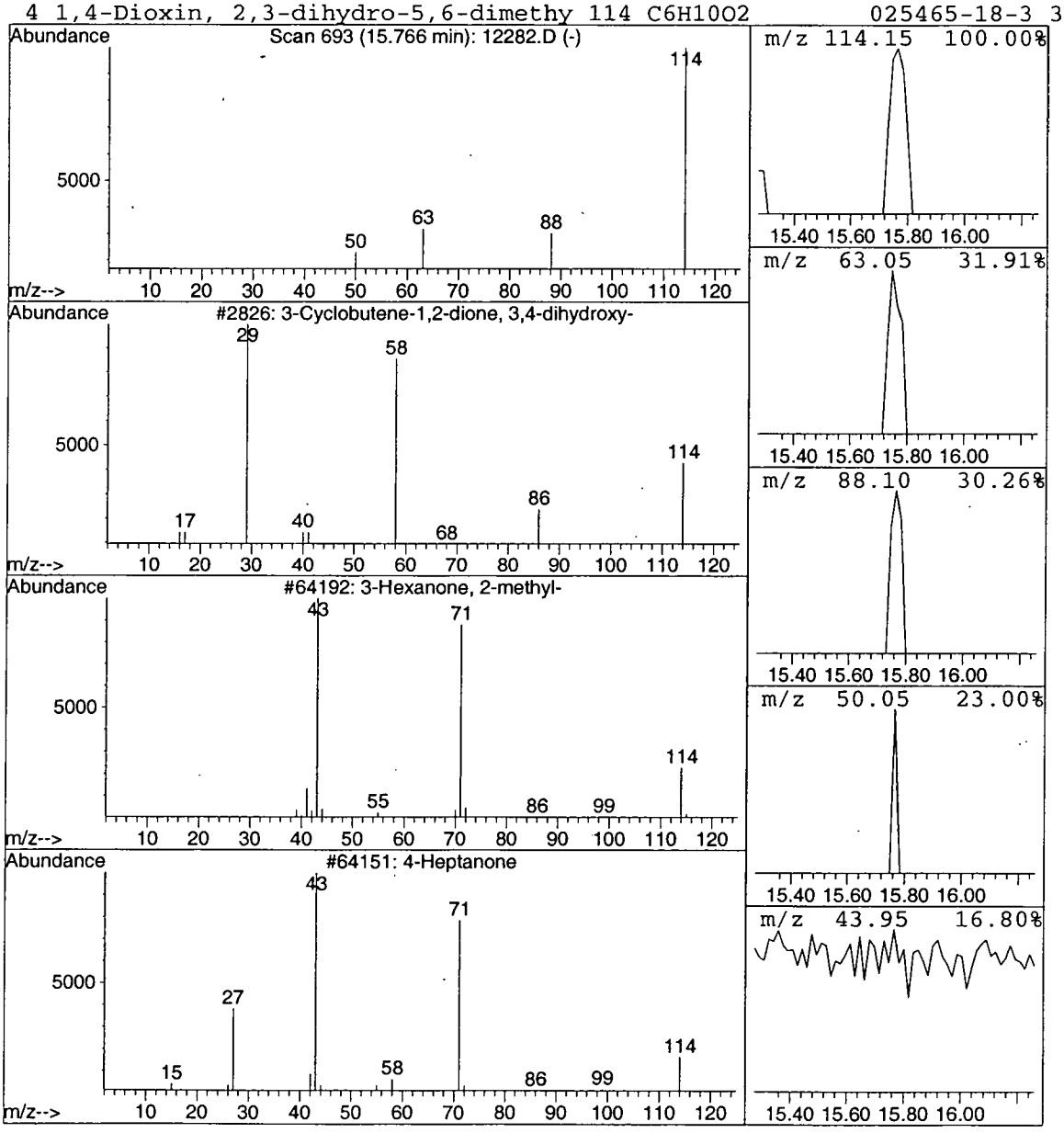
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 3-Cyclobutene-1,2-dione, 3,4-d Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	0.03 ug/L	21969	1,4-DIFLUOROBENZENE	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyclobutene-1,2-dione, 3,4-dihydr	114	C4H2O4	002892-51-5	4
2	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	4
3	4-Heptanone	114	C7H14O	000123-19-3	3
4	1,4-Dioxin, 2,3-dihydro-5,6-dimethy	114	C6H10O2	025465-18-3	3



NYC-WTC_000083632

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12282.D Vial: 6
Acq On : 23 May 2002 10:44 pm Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

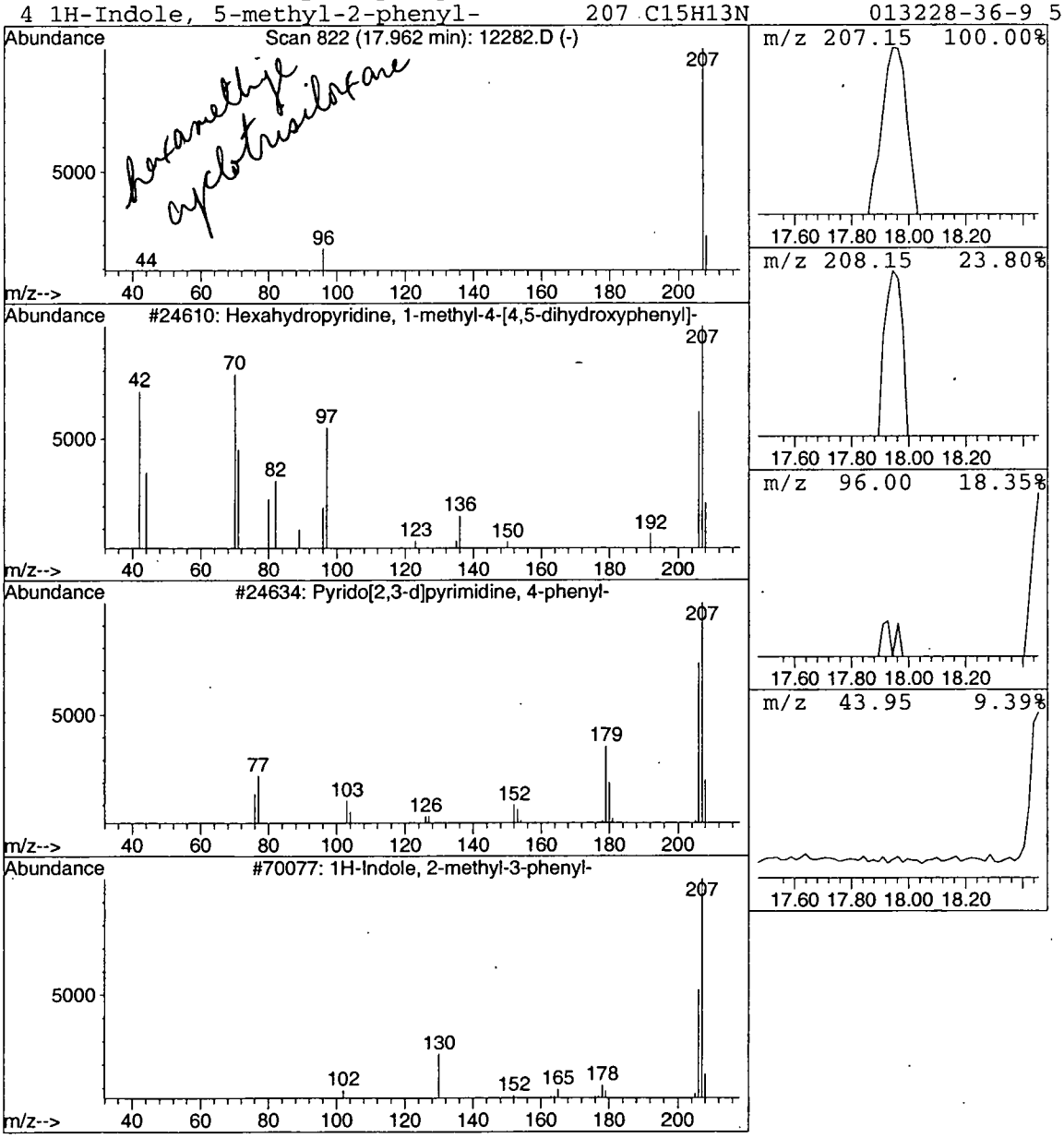
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Hexahydropyridine, 1-methyl-4- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	0.05 ug/L	37599	1,4-DIFLUOROBENZENE	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexahydropyridine, 1-methyl-4-[4,5-	207	C12H17NO2	000000-00-0	9
2	Pyrido[2,3-d]pyrimidine, 4-phenyl-	207	C13H9N3	028732-75-4	5
3	1H-Indole, 2-methyl-3-phenyl-	207	C15H13N	004757-69-1	5
4	1H-Indole, 5-methyl-2-phenyl-	207	C15H13N	013228-36-9	5



NYC-WTC_000083633

NYC 9/11 Public Portal Document

Data File : C:\HPCHEM\1\DATA\02MAY23\12282.D Vial: 6
Acq On : 23 May 2002 10:44 pm Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

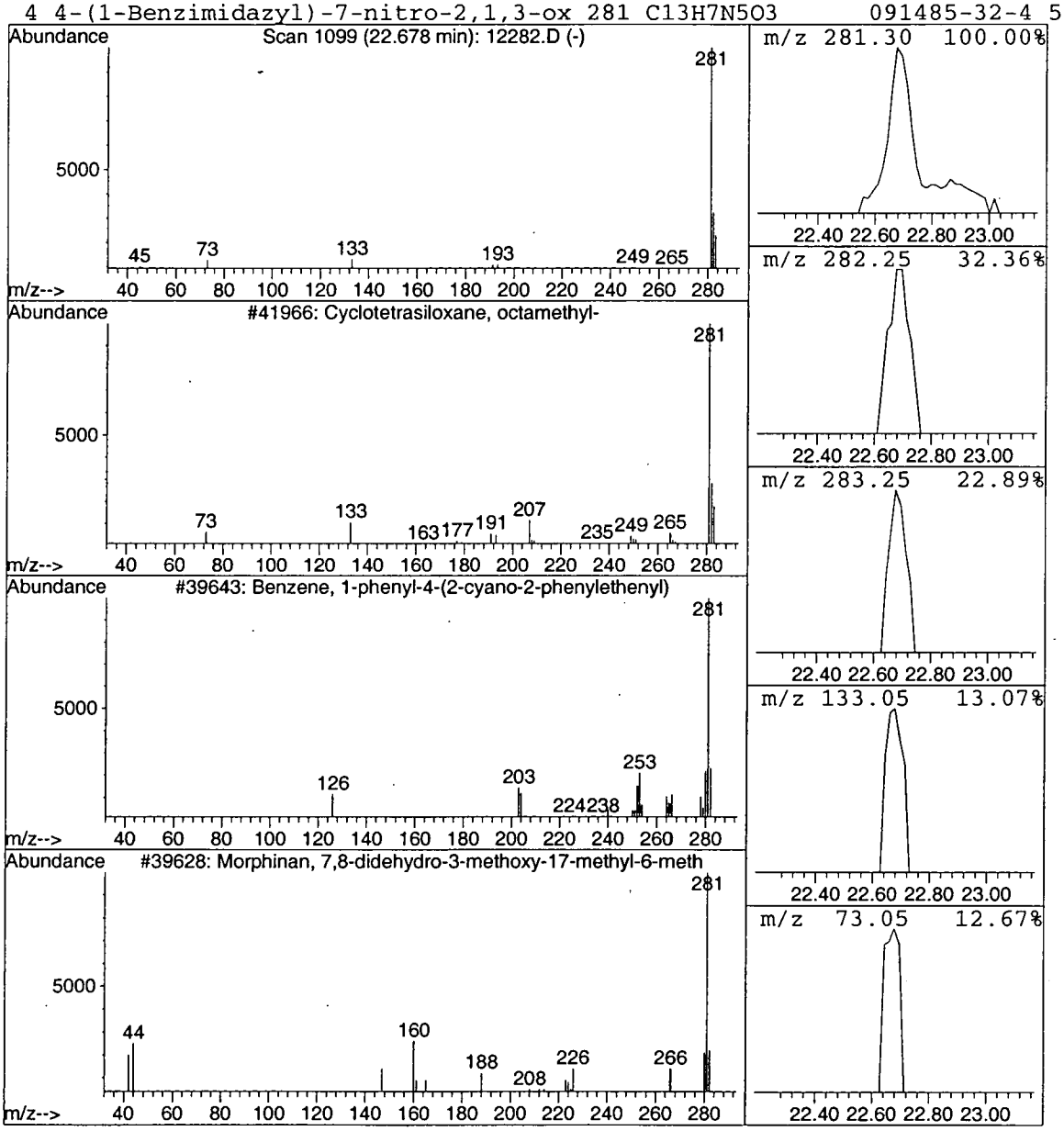
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Cyclotetrasiloxane, octamethyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.68	0.09 ug/L	75597	CHLOROBENZENE-D5	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	78
2	Benzene, 1-phenyl-4-(2-cyano-2-phen	281	C21H15N	027869-56-3	9
3	Morphinan, 7,8-didehydro-3-methoxy-	281	C19H23NO	001816-06-4	5
4	4-(1-Benzimidazyl)-7-nitro-2,1,3-ox	281	C13H7N5O3	091485-32-4	5



NYC-WTC_000083634

NYC 9/11 Public Portal Document

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/28/2002 Time: 12:20:56

Sample: AE12283
Analysis: $524 Volatile Organic Compounds
Units: ug
Started: 5/23/02 00:01 Ended: 5/23/02 00:01 Analyst: BH
Result source: a:\11283.rr
Page: 1

	Component Name	Viol	Result	MDL
1	Surr - 1,2-DICHLOROETHANE-		5.1	0.5
2	Surr - 4-BROMOFLUOROBENZ		5.2	0.5
3	Dichlorodifluoromethane		< MRL	0.5
4	Chloromethane		< MRL	0.5
5	Vinyl chloride		< MRL	0.5
6	Bromomethane		< MRL	0.5
7	Chloroethane		< MRL	0.5
8	Trichlorofluoromethane		< MRL	0.5
9	1,1-Dichloroethene		< MRL	0.5
10	Methylene Chloride		< MRL	0.5
11	Methyl tert-butyl ether (MTBE)		< MRL	1.0
12	trans-1,2-dichloroethene		< MRL	0.5
13	1,1-dichloroethane		< MRL	0.5
14	2-butanone (MEK)		< MRL	2.0
15	2,2-dichloropropane		< MRL	0.5
16	cis-1,2-dichloroethene		< MRL	0.5
17	*THM-Chloroform		< MRL	0.5
18	Bromochloromethane		< MRL	0.5
19	1,2-dichloroethane		< MRL	0.5
20	Surr - TOLUENE-D8		4.9	0.5
21	1,1,1- trichloroethane		< MRL	0.5
22	1,1-dichloropropene		< MRL	0.5
23	Carbon tetrachloride		< MRL	0.5
24	Benzene		< MRL	0.5
25	Trichloroethene		< MRL	0.5
26	1,2-dichloropropane		< MRL	0.5
27	Dibromomethane		< MRL	0.5
28	*THM-Bromodichloromethane		< MRL	0.5
29	Methyl iso-butyl ketone (MIBK)		< MRL	1.0
30	cis-1,3-dichloropropene		< MRL	0.5
31	Toluene		< MRL	0.5
32	trans-1,3-dichloropropene		< MRL	0.5
33	1,1,2-trichloroethane		< MRL	0.5
34	Tetrachloroethene		< MRL	0.5
35	1,3-dichloropropane		< MRL	0.5
36	*THM-Dibromochloromethane		< MRL	2.0
37	Chlorobenzene		< MRL	0.5
38	1,1,1,2-tetrachloroethane		< MRL	0.5
39	Ethylbenzene		< MRL	0.5
40	P & M-xylene		< MRL	0.5
41	O-xylene		< MRL	0.5
42	Styrene		< MRL	0.5
43	1,1,2,2-tetrachloroethane		< MRL	0.5
44	*THM-Bromoform		< MRL	2.0
45	Isopropylbenzene		< MRL	0.5
46	1,2,3-trichloropropane		< MRL	0.5
47	N-propylbenzene		< MRL	0.5
48	Bromobenzene		< MRL	0.5

REVIEWED BY AV
DATE 5/30/02

NYC 9/11 Public Portal Document

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/28/2002 Time: 12:20:56

Sample: AE12283
Analysis: $524 Volatile Organic Compounds
Units: ug
Started: 5/23/02 00:01 Ended: 5/23/02 00:01 Analyst: BH
Result source: a:\11283.rr
Page: 2

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

NYC 9/11 Public Portal Document

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAY23\12283.D Vial: 7
Acq On : 23 May 2002 11:27 pm Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 24 15:04 2002 Quant Results File: HP051702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration
DataAcq Meth : HP051702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.10	114	1274142	5.00	ug/L	0.07
24) CHLOROBENZENE-D5	21.76	117	1193002	5.00	ug/L	0.05
52) 1,4-DICHLOROBENZENE-D4	26.95	152	554929	5.00	ug/L	0.07
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.34	65	633688	5.09	ug/L	0.07
Spiked Amount 5.000			Recovery	= 101.80%		
3) 4-BROMOFLUOROBENZENE	24.35	174	467928	5.21	ug/L	0.05
Spiked Amount 5.000			Recovery	= 104.20%		
25) TOLUENE-D8	18.46	98	1596242	4.90	ug/L	0.05
Spiked Amount 5.000			Recovery	= 98.00%		
Target Compounds						Qvalue
12) ACETONE	8.26	43	26379	2.34	ug/L	99

(#) = qualifier out of range (m) = manual integration
12283.D HP051702.M Fri May 24 15:04:52 2002 Page 1

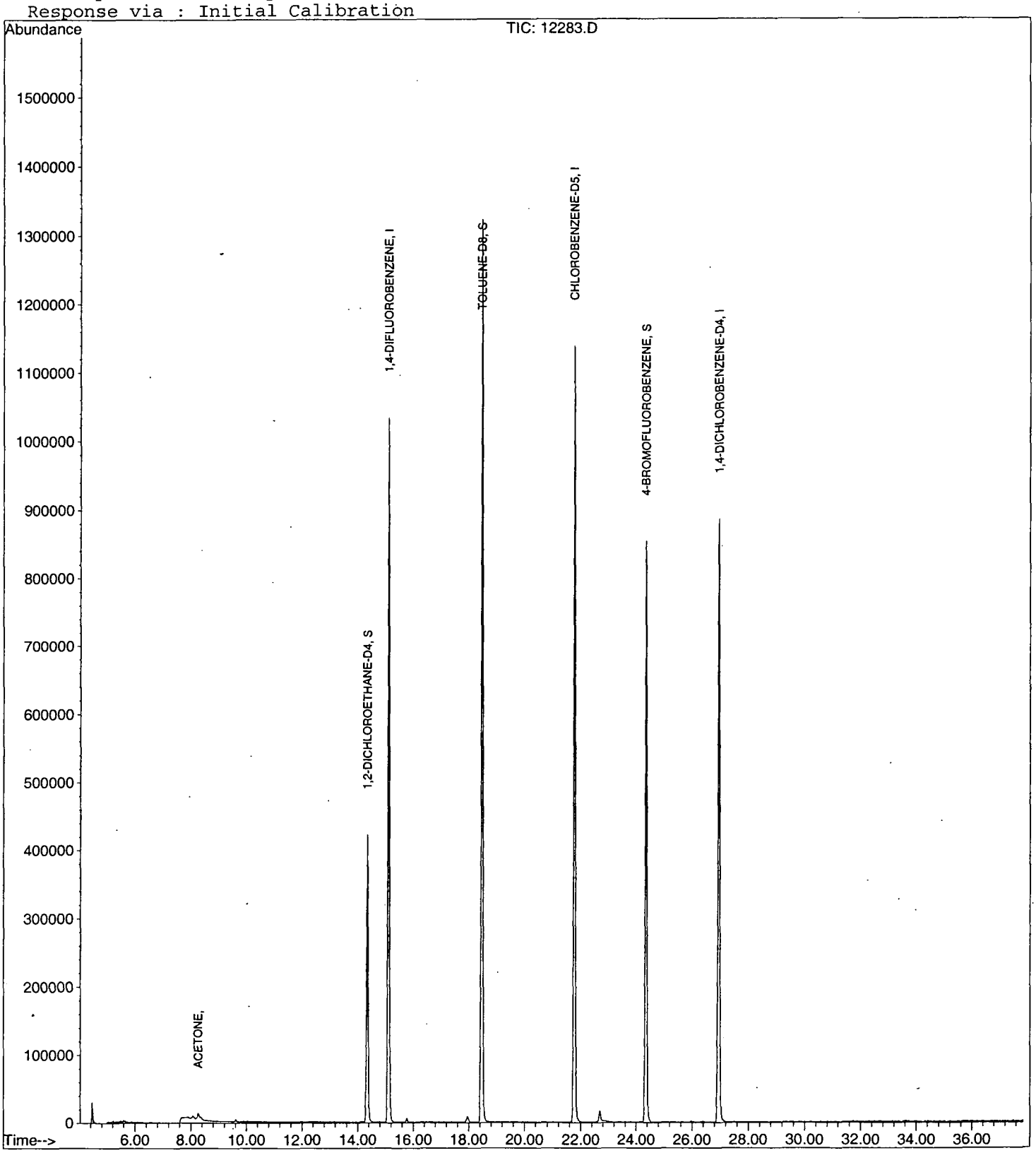
NYC-WTC_000083637

NYC 9/11 Public Portal Document

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12283.D Vial: 7
Acq On : 23 May 2002 11:27 pm Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 24 15:04 2002 Quant Results File: HP051702.RES

Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration



NYC-WTC_000083638

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12283.D Vial: 7
Acq On : 23 May 2002 11:27 pm Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

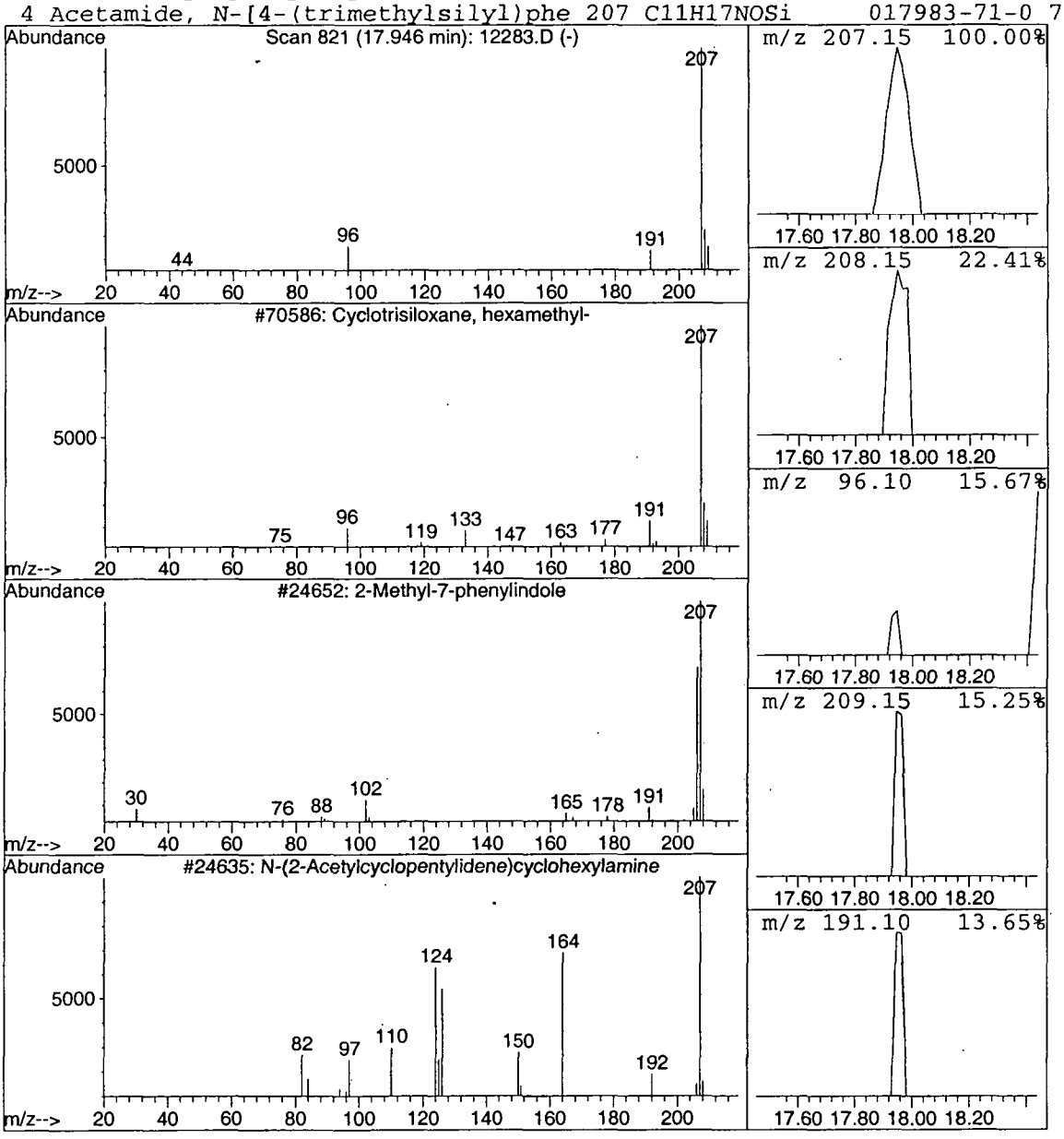
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Cyclotrisiloxane, hexamethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	0.05 ug/L	40047	1,4-DIFLUOROBENZENE	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	64
2	2-Methyl-7-phenylindole	207	C15H13N	000000-00-0	9
3	N-(2-Acetylcyclopentylidene)cyclohe	207	C13H21NO	000000-00-0	9
4	Acetamide, N-[4-(trimethylsilyl)phe	207	C11H17NOSi	017983-71-0	7



NYC-WTC_000083639

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12283.D Vial: 7
Acq On : 23 May 2002 11:27 pm Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

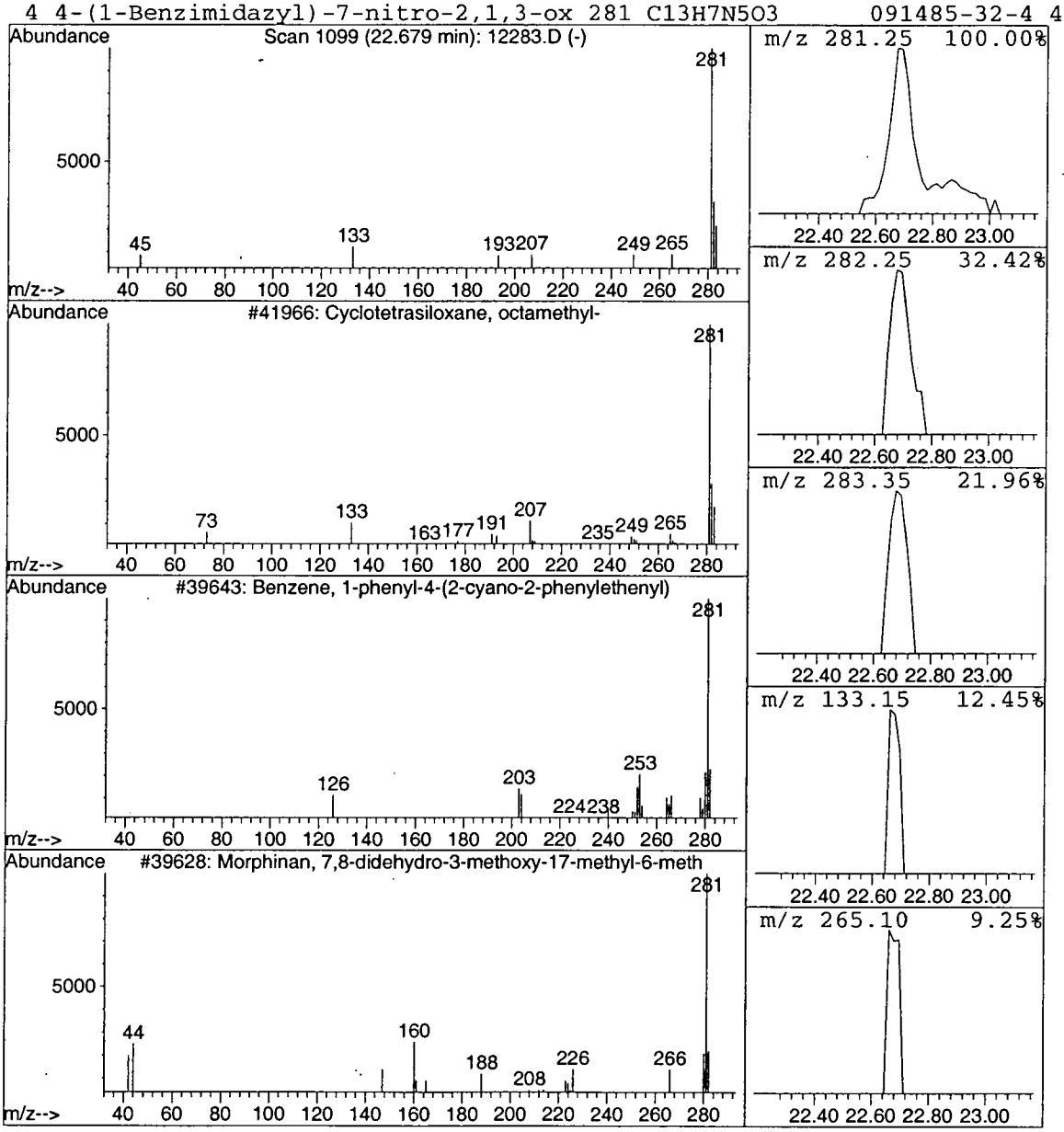
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Cyclotetrasiloxane, octamethyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.68	0.08 ug/L	73103	CHLOROBENZENE-D5	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	74
2	Benzene, 1-phenyl-4-(2-cyano-2-phen	281	C21H15N	027869-56-3	9
3	Morphinan, 7,8-didehydro-3-methoxy-	281	C19H23NO	001816-06-4	5
4	4-(1-Benzimidazyl)-7-nitro-2,1,3-ox	281	C13H7N5O3	091485-32-4	4



NYC-WTC_000083640

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/28/2002 Time: 12:21:30

Sample: AE12284
Analysis: $524 Volatile Organic Compounds
Units: ug
Started: 5/24/02 00:02 Ended: 5/24/02 00:02 Analyst: BH
Result source: a:\11284.rr
Page: 1

	Component:Name	Viol	Result	MDL
1	Surr - 1,2-DICHLOROETHANE-		5.3	0.5
2	Surr - 4-BROMOFLUOROBENZ		5.2	0.5
3	Dichlorodifluoromethane		< MRL	0.5
4	Chloromethane		< MRL	0.5
5	Vinyl chloride		< MRL	0.5
6	Bromomethane		< MRL	0.5
7	Chloroethane		< MRL	0.5
8	Trichlorofluoromethane		< MRL	0.5
9	1,1-Dichloroethene		< MRL	0.5
10	Methylene Chloride		< MRL	0.5
11	Methyl tert-butyl ether (MTBE)		< MRL	1.0
12	trans-1,2-dichloroethene		< MRL	0.5
13	1,1-dichloroethane		< MRL	0.5
14	2-butanone (MEK)		< MRL	2.0
15	2,2-dichloropropane		< MRL	0.5
16	cis-1,2-dichloroethene		< MRL	0.5
17	*THM-Chloroform		< MRL	0.5
18	Bromochloromethane		< MRL	0.5
19	1,2-dichloroethane		< MRL	0.5
20	Surr - TOLUENE-D8		4.9	0.5
21	1,1,1- trichloroethane		< MRL	0.5
22	1,1-dichloropropene		< MRL	0.5
23	Carbon tetrachloride		< MRL	0.5
24	Benzene		< MRL	0.5
25	Trichloroethene		< MRL	0.5
26	1,2-dichloropropane		< MRL	0.5
27	Dibromomethane		< MRL	0.5
28	*THM-Bromodichloromethane		< MRL	0.5
29	Methyl iso-butyl ketone (MIBK)		< MRL	1.0
30	cis-1,3-dichloropropene		< MRL	0.5
31	Toluene		< MRL	0.5
32	trans-1,3-dichloropropene		< MRL	0.5
33	1,1,2-trichloroethane		< MRL	0.5
34	Tetrachloroethene		< MRL	0.5
35	1,3-dichloropropane		< MRL	0.5
36	*THM-Dibromochloromethane		< MRL	2.0
37	Chlorobenzene		< MRL	0.5
38	1,1,1,2-tetrachloroethane		< MRL	0.5
39	Ethylbenzene		< MRL	0.5
40	P & M-xylene		< MRL	0.5
41	O-xylene		< MRL	0.5
42	Styrene		< MRL	0.5
43	1,1,2,2-tetrachloroethane		< MRL	0.5
44	*THM-Bromoform		< MRL	2.0
45	Isopropylbenzene		< MRL	0.5
46	1,2,3-trichloropropane		< MRL	0.5
47	N-propylbenzene		< MRL	0.5
48	Bromobenzene		< MRL	0.5

REVIEWED BY AV
DATE 5/30/02

NYC 9/11 Public Portal Document

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/28/2002 Time: 12:21:30

Sample: AE12284
Analysis: $524 Volatile Organic Compounds
Units: ug
Started: 5/24/02 00:02 Ended: 5/24/02 00:02 Analyst: BH
Result source: a:\11284.rr
Page: 2

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

NYC 9/11 Public Portal Document

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAY23\12284.D Vial: 8
Acq On : 24 May 2002 12:11 am Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 24 15:06 2002 Quant Results File: HP051702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration
DataAcq Meth : HP051702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.10	114	1201690	5.00	ug/L	0.07
24) CHLOROBENZENE-D5	21.76	117	1122302	5.00	ug/L	0.05
52) 1,4-DICHLOROBENZENE-D4	26.95	152	504568	5.00	ug/L	0.07
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.34	65	622796	5.31	ug/L	0.07
Spiked Amount 5.000			Recovery = 106.20%			
3) 4-BROMOFLUOROBENZENE	24.35	174	436661	5.15	ug/L	0.05
Spiked Amount 5.000			Recovery = 103.00%			
25) TOLUENE-D8	18.46	98	1504742	4.91	ug/L	0.05
Spiked Amount 5.000			Recovery = 98.20%			
Target Compounds						Qvalue
12) ACETONE	8.26	43	16831	1.58	ug/L	90

(#) = qualifier out of range (m) = manual integration
12284.D HP051702.M Fri May 24 15:06:15 2002 Page 1

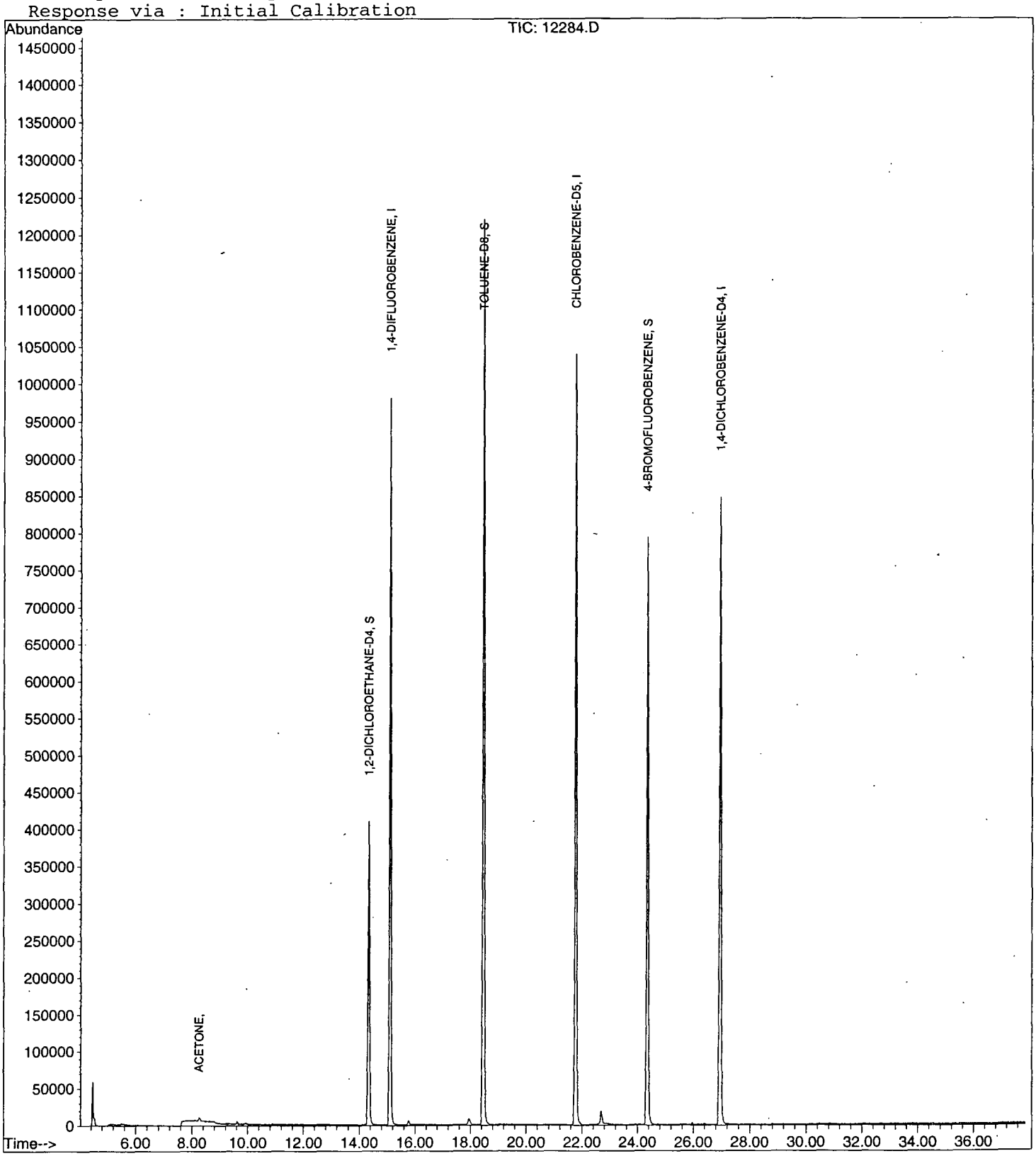
NYC-WTC_000083643

NYC 9/11 Public Portal Document

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12284.D Vial: 8
Acq On : 24 May 2002 12:11 am Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 24 15:06 2002 Quant Results File: HP051702.RES

Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration



NYC-WTC_000083644

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12284.D Vial: 8
Acq On : 24 May 2002 12:11 am Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

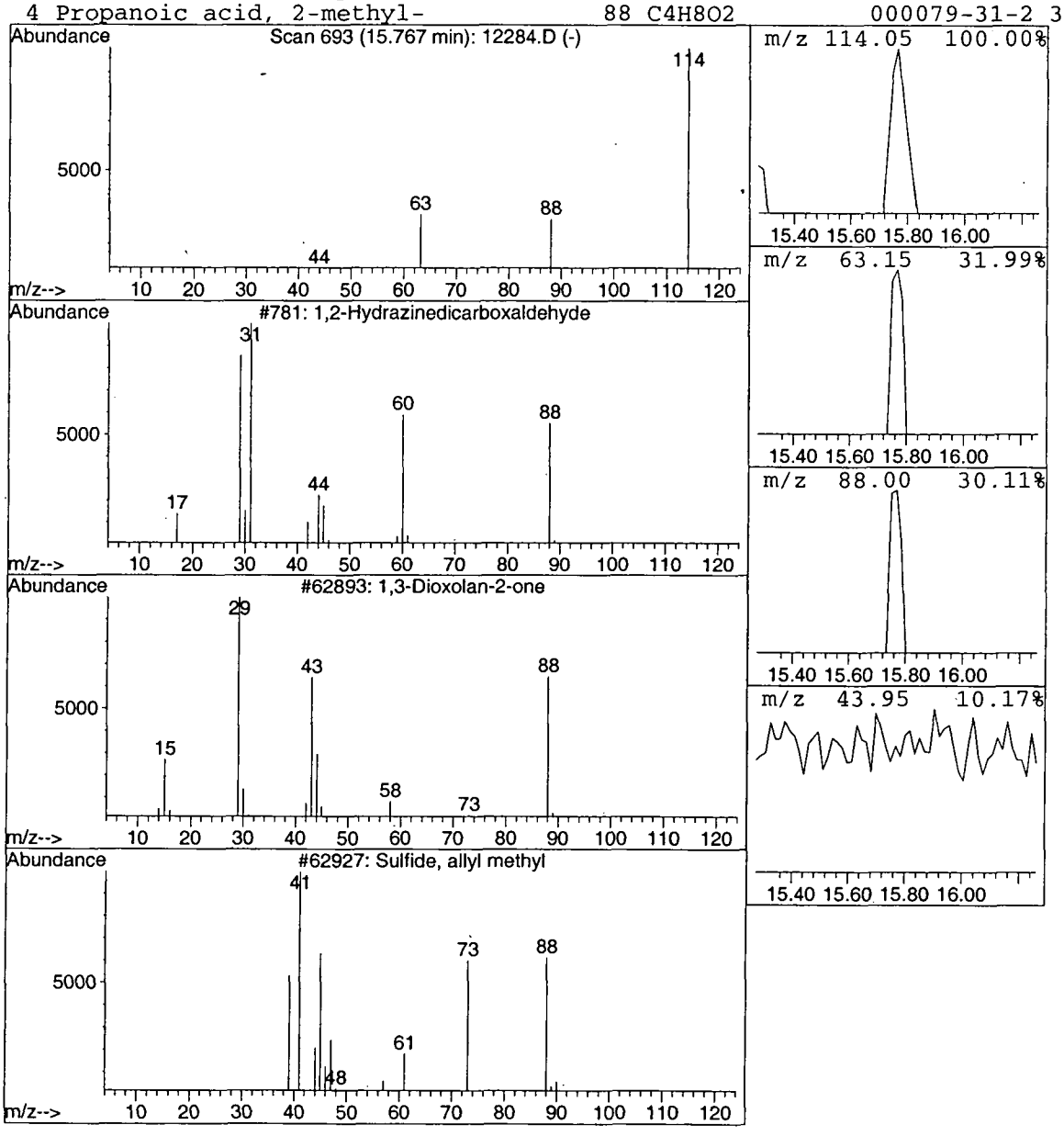
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 1,2-Hydrazinedicarboxaldehyde Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	0.03 ug/L	21072	1,4-DIFLUOROBENZENE	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Hydrazinedicarboxaldehyde	88	C2H4N2O2	000628-36-4	4
2	1,3-Dioxolan-2-one	88	C3H4O3	000096-49-1	4
3	Sulfide, allyl methyl	88	C4H8S	010152-76-8	4
4	Propanoic acid, 2-methyl-	88	C4H8O2	000079-31-2	3



NYC-WTC_000083645

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12284.D Vial: 8
Acq On : 24 May 2002 12:11 am Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

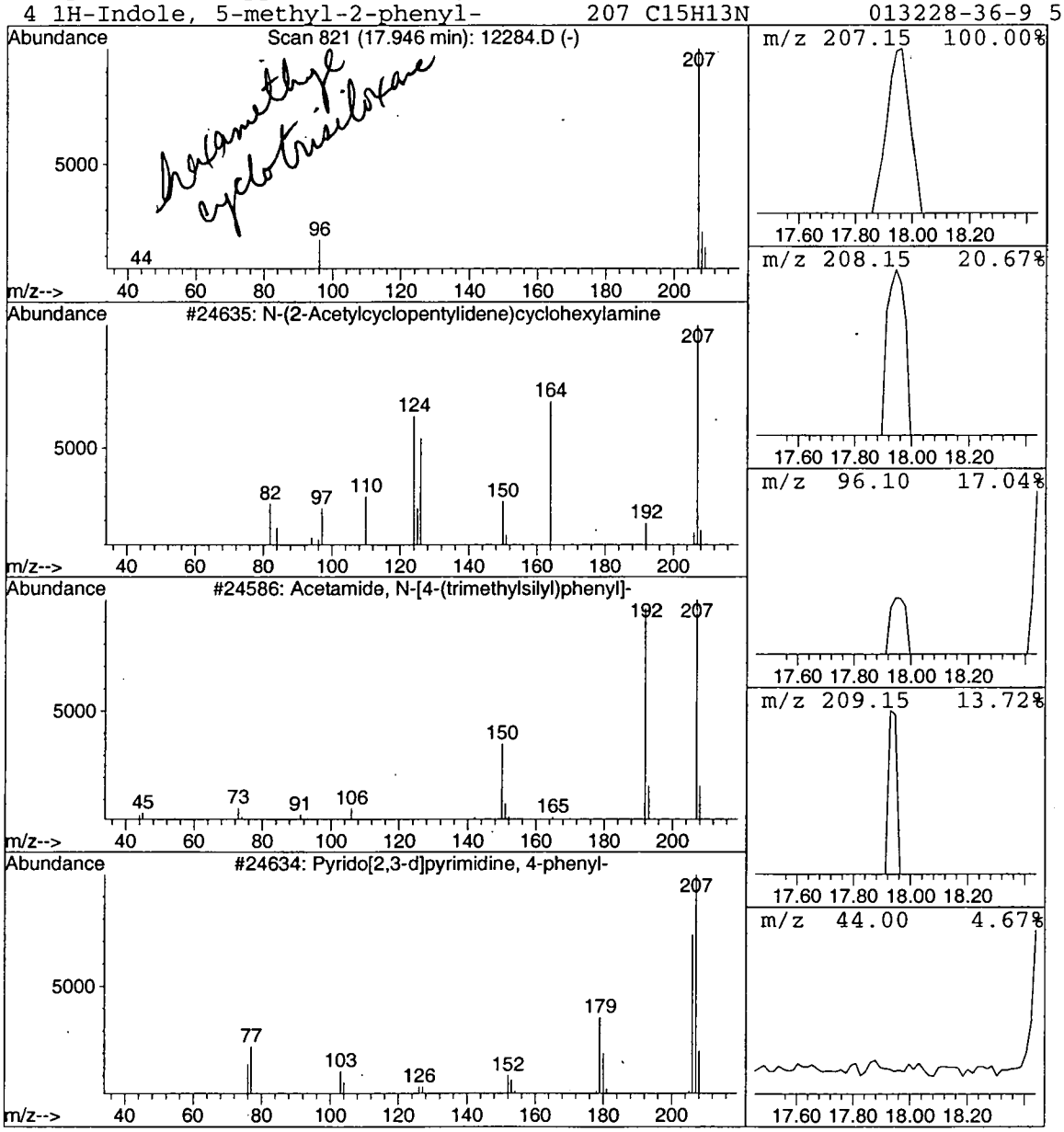
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 N-(2-Acetylcyclopentylidene)cy Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	0.06 ug/L	43726	1,4-DIFLUOROBENZENE	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-(2-Acetylcyclopentylidene)cyclohe	207	C13H21NO	000000-00-0	9
2	Acetamide, N-[4-(trimethylsilyl)phe	207	C11H17NOSi	017983-71-0	7
3	Pyrido[2,3-d]pyrimidine, 4-phenyl-	207	C13H9N3	028732-75-4	5
4	1H-Indole, 5-methyl-2-phenyl-	207	C15H13N	013228-36-9	5



NYC-WTC_000083646

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12284.D Vial: 8
Acq On : 24 May 2002 12:11 am Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

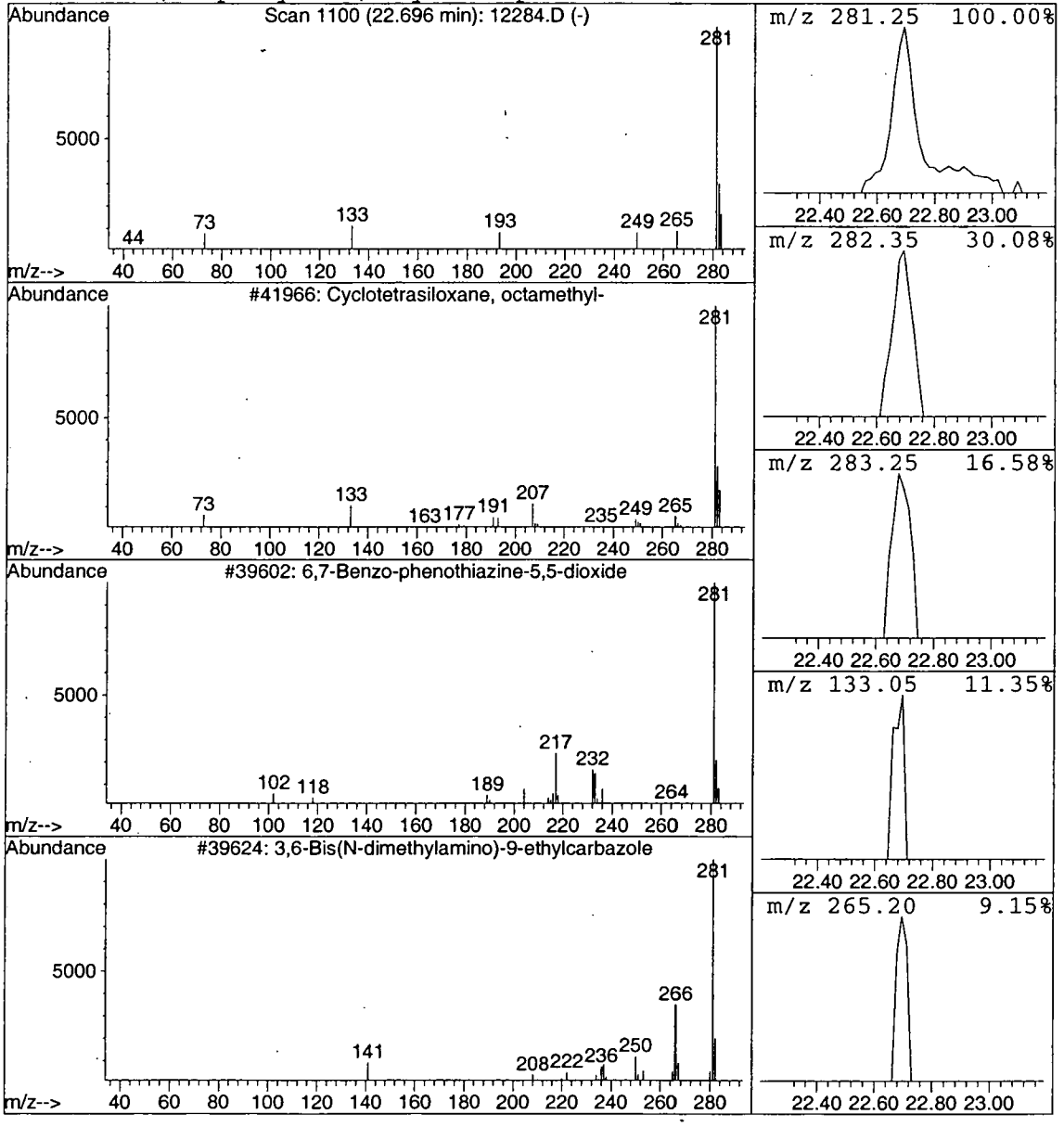
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Cyclotetrasiloxane, octamethyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.70	0.10 ug/L	86332	CHLOROBENZENE-D5	21.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	83
2	6,7-Benzo-phenothiazine-5,5-dioxide	281	C16H11NO2S	000000-00-0	9
3	3,6-Bis(N-dimethylamino)-9-ethylcar	281	C18H23N3	057103-04-5	9
4	Benzene, 1-phenyl-4-(2-cyano-2-phen	281	C21H15N	027869-56-3	9



NYC 9/11 Public Portal Document

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/28/2002 Time: 12:22:08

Sample: AE12286
Analysis: $524 Volatile Organic Compounds
Units: ug
Started: 5/24/02 00:02 Ended: 5/24/02 00:02 Analyst: BH
Result source: a:\11286.rr
Page: 1

	Component-Name	Viol	Result	MDL
1	Surr - 1,2-DICHLOROETHANE-		5.2	0.5
2	Surr - 4-BROMOFLUOROBENZ		5.2	0.5
3	Dichlorodifluoromethane		< MRL	0.5
4	Chloromethane		< MRL	0.5
5	Vinyl chloride		< MRL	0.5
6	Bromomethane		< MRL	0.5
7	Chloroethane		< MRL	0.5
8	Trichlorofluoromethane		< MRL	0.5
9	1,1-Dichloroethene		< MRL	0.5
10	Methylene Chloride		< MRL	0.5
11	Methyl tert-butyl ether (MTBE)		< MRL	1.0
12	trans-1,2-dichloroethene		< MRL	0.5
13	1,1-dichloroethane		< MRL	0.5
14	2-butanone (MEK)		< MRL	2.0
15	2,2-dichloropropane		< MRL	0.5
16	cis-1,2-dichloroethene		< MRL	0.5
17	*THM-Chloroform		< MRL	0.5
18	Bromochloromethane		< MRL	0.5
19	1,2-dichloroethane		< MRL	0.5
20	Surr - TOLUENE-D8		4.9	0.5
21	1,1,1- trichloroethane		< MRL	0.5
22	1,1-dichloropropene		< MRL	0.5
23	Carbon tetrachloride		< MRL	0.5
24	Benzene		< MRL	0.5
25	Trichloroethene		< MRL	0.5
26	1,2-dichloropropane		< MRL	0.5
27	Dibromomethane		< MRL	0.5
28	*THM-Bromodichloromethane		< MRL	0.5
29	Methyl iso-butyl ketone (MIBK)		< MRL	1.0
30	cis-1,3-dichloropropene		< MRL	0.5
31	Toluene		< MRL	0.5
32	trans-1,3-dichloropropene		< MRL	0.5
33	1,1,2-trichloroethane		< MRL	0.5
34	Tetrachloroethene		< MRL	0.5
35	1,3-dichloropropane		< MRL	0.5
36	*THM-Dibromochloromethane		< MRL	2.0
37	Chlorobenzene		< MRL	0.5
38	1,1,1,2-tetrachloroethane		< MRL	0.5
39	Ethylbenzene		< MRL	0.5
40	P & M-xylene		< MRL	0.5
41	O-xylene		< MRL	0.5
42	Styrene		< MRL	0.5
43	1,1,2,2-tetrachloroethane		< MRL	0.5
44	*THM-Bromoform		< MRL	2.0
45	Isopropylbenzene		< MRL	0.5
46	1,2,3-trichloropropane		< MRL	0.5
47	N-propylbenzene		< MRL	0.5
48	Bromobenzene		< MRL	0.5

REVIEWED BY AV
DATE 5/30/02

NYC 9/11 Public Portal Document

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/28/2002 Time: 12:22:08

Sample: AE12286
Analysis: $524 Volatile Organic Compounds
Units: ug
Started: 5/24/02 00:02 Ended: 5/24/02 00:02 Analyst: BH
Result source: a:\11286.rr
Page: 2

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

NYC 9/11 Public Portal Document

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAY23\12286.D Vial: 10
Acq On : 24 May 2002 12:54 am Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 24 15:39 2002 Quant Results File: HP051702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration
DataAcq Meth : HP051702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.10	114	1268326	5.00	ug/L	0.07
24) CHLOROBENZENE-D5	21.78	117	1195464	5.00	ug/L	0.07
52) 1,4-DICHLOROBENZENE-D4	26.95	152	547135	5.00	ug/L	0.07
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.34	65	647017	5.22	ug/L	0.07
Spiked Amount 5.000			Recovery =	104.40%		
3) 4-BROMOFLUOROBENZENE	24.36	174	467998	5.23	ug/L	0.07
Spiked Amount 5.000			Recovery =	104.60%		
25) TOLUENE-D8	18.47	98	1592637	4.88	ug/L	0.07
Spiked Amount 5.000			Recovery =	97.60%		
Target Compounds						Qvalue
12) ACETONE	8.26	43	25408	2.26	ug/L	99
18) 2-BUTANONE (MEK)	12.02	43	2810	0.33	ug/L	54

(#) = qualifier out of range (m) = manual integration
12286.D HP051702.M Fri May 24 15:39:19 2002 Page 1

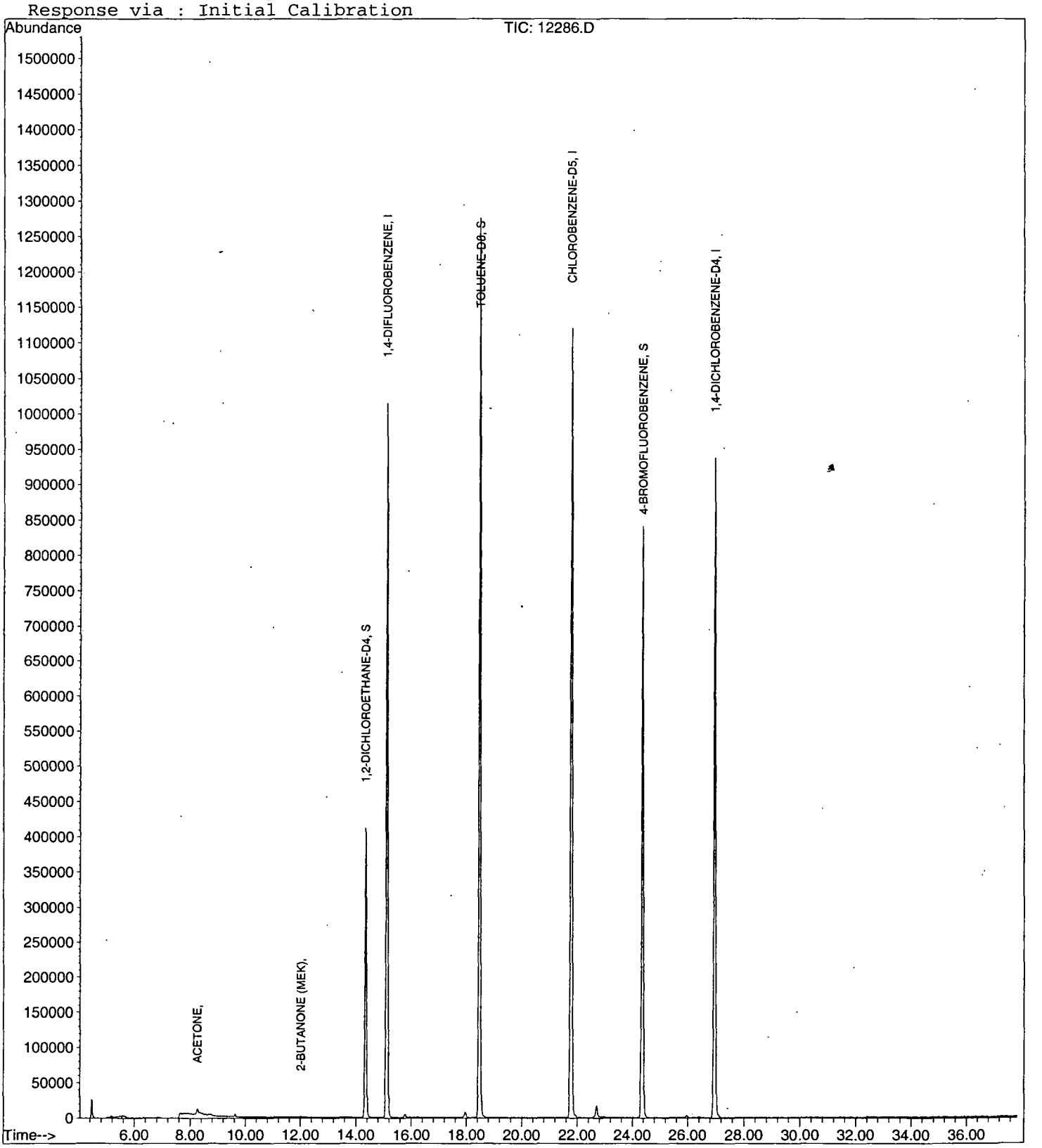
NYC-WTC_000083650

NYC 9/11 Public Portal Document

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12286.D Vial: 10
Acq On : 24 May 2002 12:54 am Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 24 15:39 2002 Quant Results File: HP051702.RES

Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration



NYC-WTC_000083651

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12286.D Vial: 10
Acq On : 24 May 2002 12:54 am Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

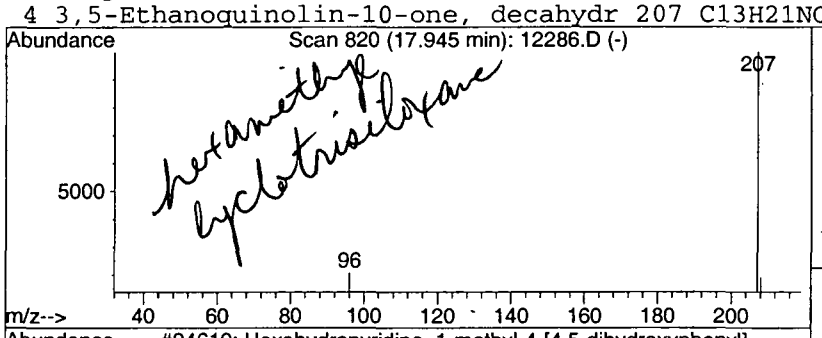
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

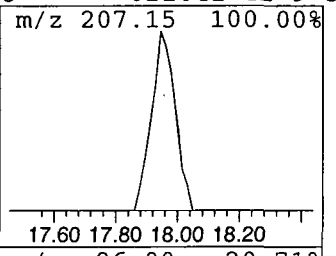
****

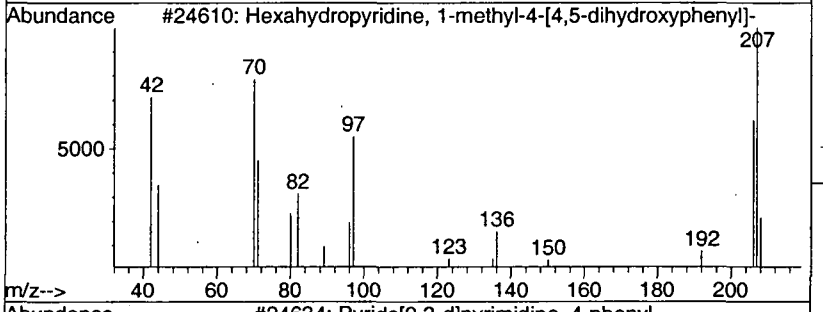
Peak Number 1 Hexahydropyridine, 1-methyl-4- Concentration Rank 2

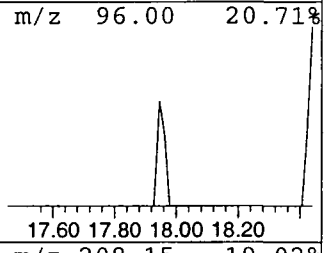
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	0.05 ug/L	38227	1,4-DIFLUOROBENZENE	15.10

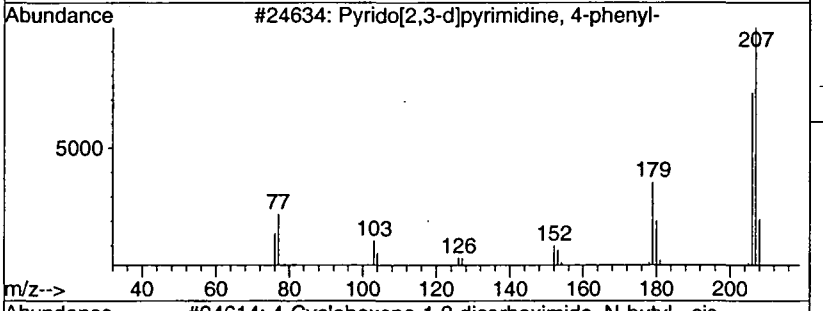
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexahydropyridine, 1-methyl-4-[4,5-	207	C12H17NO2	000000-00-0	9
2	Pyrido[2,3-d]pyrimidine, 4-phenyl-	207	C13H9N3	028732-75-4	5
3	4-Cyclohexene-1,2-dicarboximide, N-	207	C12H17NO2	028916-00-9	5
4	3,5-Ethanoquinolin-10-one, decahydr	207	C13H21NO	021041-42-9	5

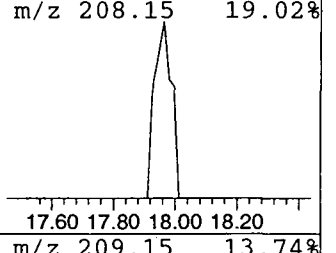


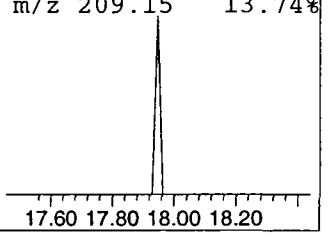


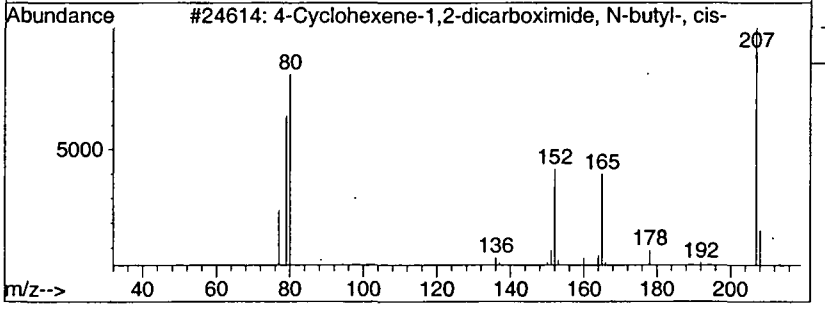












NYC-WTC_000083652

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12286.D Vial: 10
Acq On : 24 May 2002 12:54 am Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

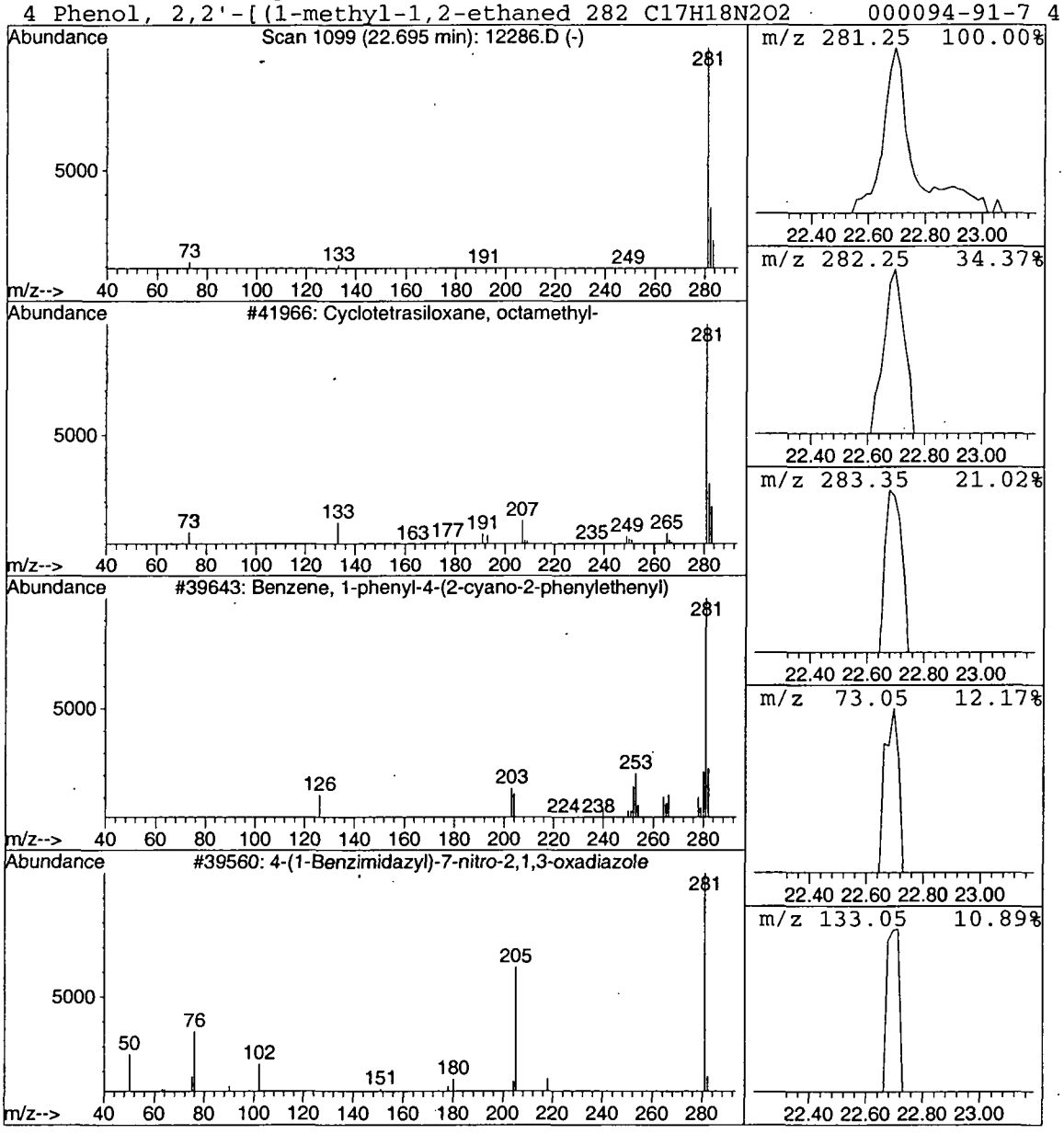
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Cyclotetrasiloxane, octamethyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.70	0.08 ug/L	71430	CHLOROBENZENE-D5	21.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	83
2	Benzene, 1-phenyl-4-(2-cyano-2-phen	281	C21H15N	027869-56-3	5
3	4-(1-Benzimidazyl)-7-nitro-2,1,3-ox	281	C13H7N5O3	091485-32-4	5
4	Phenol, 2,2'-[(1-methyl-1,2-ethaned	282	C17H18N2O2	000094-91-7	4



NYC 9/11 Public Portal Document

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/28/2002 Time: 12:22:36

Sample: AE12287
Analysis: \$524 Volatile Organic Compounds
Units: ug
Started: 5/24/02 00:01 Ended: 5/24/02 00:01 Analyst: BH
Result source: a:\11287.rr
Page: 1

	Component Name	Viol	Result	MDL
1	Surr - 1,2-DICHLOROETHANE-		5.2	0.5
2	Surr - 4-BROMOFLUOROBENZ		5.2	0.5
3	Dichlorodifluoromethane		< MRL	0.5
4	Chloromethane		< MRL	0.5
5	Vinyl chloride		< MRL	0.5
6	Bromomethane		< MRL	0.5
7	Chloroethane		< MRL	0.5
8	Trichlorofluoromethane		< MRL	0.5
9	1,1-Dichloroethene		< MRL	0.5
10	Methylene Chloride		< MRL	0.5
11	Methyl tert-butyl ether (MTBE)		< MRL	1.0
12	trans-1,2-dichloroethene		< MRL	0.5
13	1,1-dichloroethane		< MRL	0.5
14	2-butanone (MEK)		< MRL	2.0
15	2,2-dichloropropane		< MRL	0.5
16	cis-1,2-dichloroethene		< MRL	0.5
17	*THM-Chloroform		< MRL	0.5
18	Bromochloromethane		< MRL	0.5
19	1,2-dichloroethane		< MRL	0.5
20	Surr - TOLUENE-D8		4.9	0.5
21	1,1,1- trichloroethane		< MRL	0.5
22	1,1-dichloropropene		< MRL	0.5
23	Carbon tetrachloride		< MRL	0.5
24	Benzene		< MRL	0.5
25	Trichloroethene		< MRL	0.5
26	1,2-dichloropropane		< MRL	0.5
27	Dibromomethane		< MRL	0.5
28	*THM-Bromodichloromethane		< MRL	0.5
29	Methyl iso-butyl ketone (MIBK)		< MRL	1.0
30	cis-1,3-dichloropropene		< MRL	0.5
31	Toluene		< MRL	0.5
32	trans-1,3-dichloropropene		< MRL	0.5
33	1,1,2-trichloroethane		< MRL	0.5
34	Tetrachloroethene		< MRL	0.5
35	1,3-dichloropropane		< MRL	0.5
36	*THM-Dibromochloromethane		< MRL	2.0
37	Chlorobenzene		< MRL	0.5
38	1,1,1,2-tetrachloroethane		< MRL	0.5
39	Ethylbenzene		< MRL	0.5
40	P & M-xylene		< MRL	0.5
41	O-xylene		< MRL	0.5
42	Styrene		< MRL	0.5
43	1,1,2,2-tetrachloroethane		< MRL	0.5
44	*THM-Bromoform		< MRL	2.0
45	Isopropylbenzene		< MRL	0.5
46	1,2,3-trichloropropane		< MRL	0.5
47	N-propylbenzene		< MRL	0.5
48	Bromobenzene		< MRL	0.5

REVIEWED BY AV
DATE 5/30/02

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/28/2002 Time: 12:22:36

Sample: AE12287
Analysis: \$524 Volatile Organic Compounds
Units: ug
Started: 5/24/02 00:01 Ended: 5/24/02 00:01 Analyst: BH
Result source: a:\11287.rr
Page: 2

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

NYC 9/11 Public Portal Document

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAY23\12287.D Vial: 11
Acq On : 24 May 2002 1:37 am Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 24 15:41 2002 Quant Results File: HP051702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration
DataAcq Meth : HP051702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.12	114	1290946	5.00	ug/L	0.09
24) CHLOROBENZENE-D5	21.78	117	1213414	5.00	ug/L	0.07
52) 1,4-DICHLOROBENZENE-D4	26.95	152	559794	5.00	ug/L	0.07
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.35	65	652395	5.18	ug/L	0.09
Spiked Amount 5.000			Recovery	= 103.60%		
3) 4-BROMOFLUOROBENZENE	24.36	174	474778	5.21	ug/L	0.07
Spiked Amount 5.000			Recovery	= 104.20%		
25) TOLUENE-D8	18.47	98	1619485	4.89	ug/L	0.07
Spiked Amount 5.000			Recovery	= 97.80%		
Target Compounds						Qvalue
12) ACETONE	8.26	43	25052	2.19	ug/L	97
18) 2-BUTANONE (MEK)	12.00	43	2405	0.28	ug/L	54

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

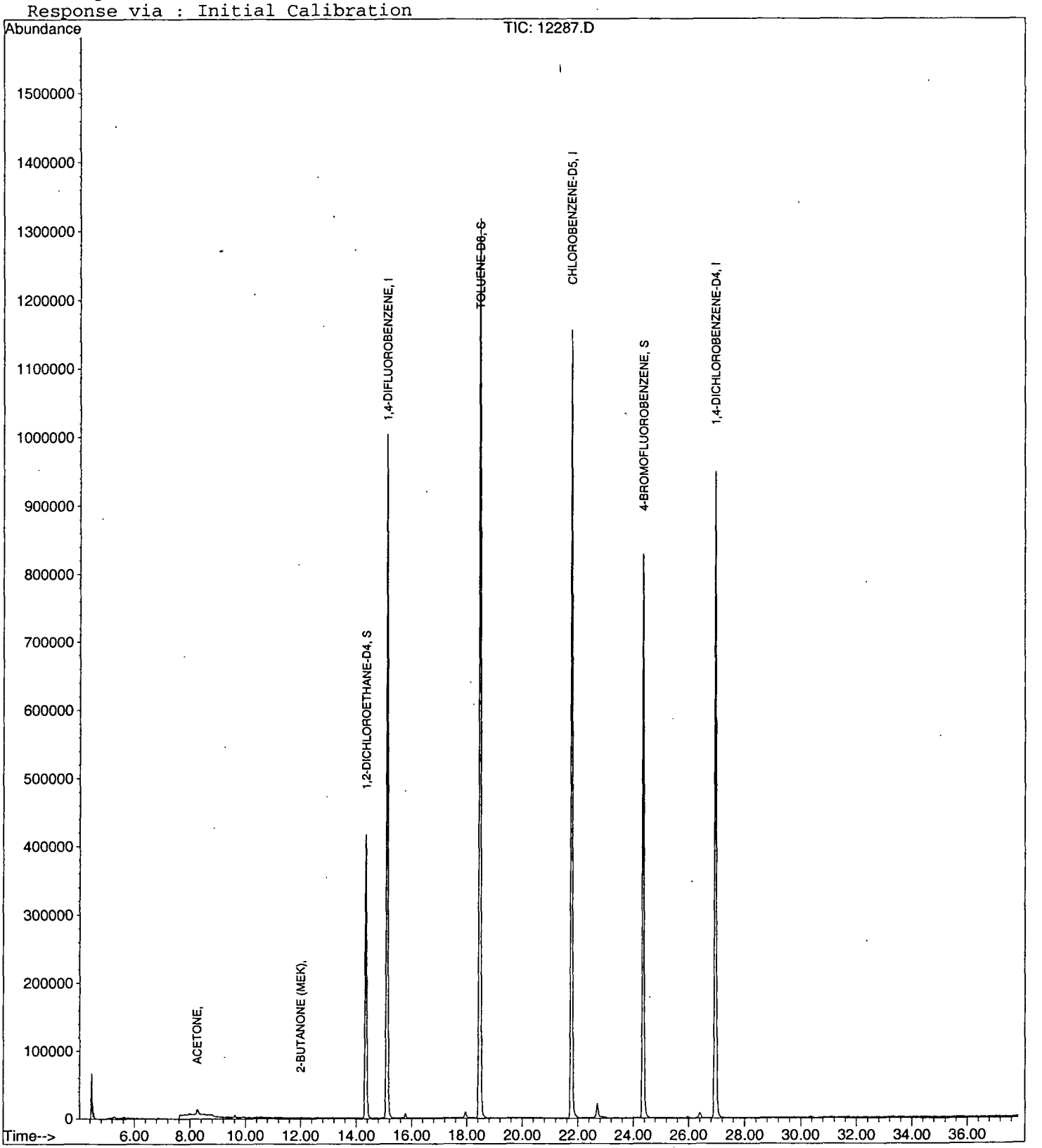
NYC-WTC_000083656

NYC 9/11 Public Portal Document

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12287.D Vial: 11
Acq On : 24 May 2002 1:37 am Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 24 15:41 2002 Quant Results File: HP051702.RES

Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration



NYC-WTC_000083657

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12287.D Vial: 11
Acq On : 24 May 2002 1:37 am Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

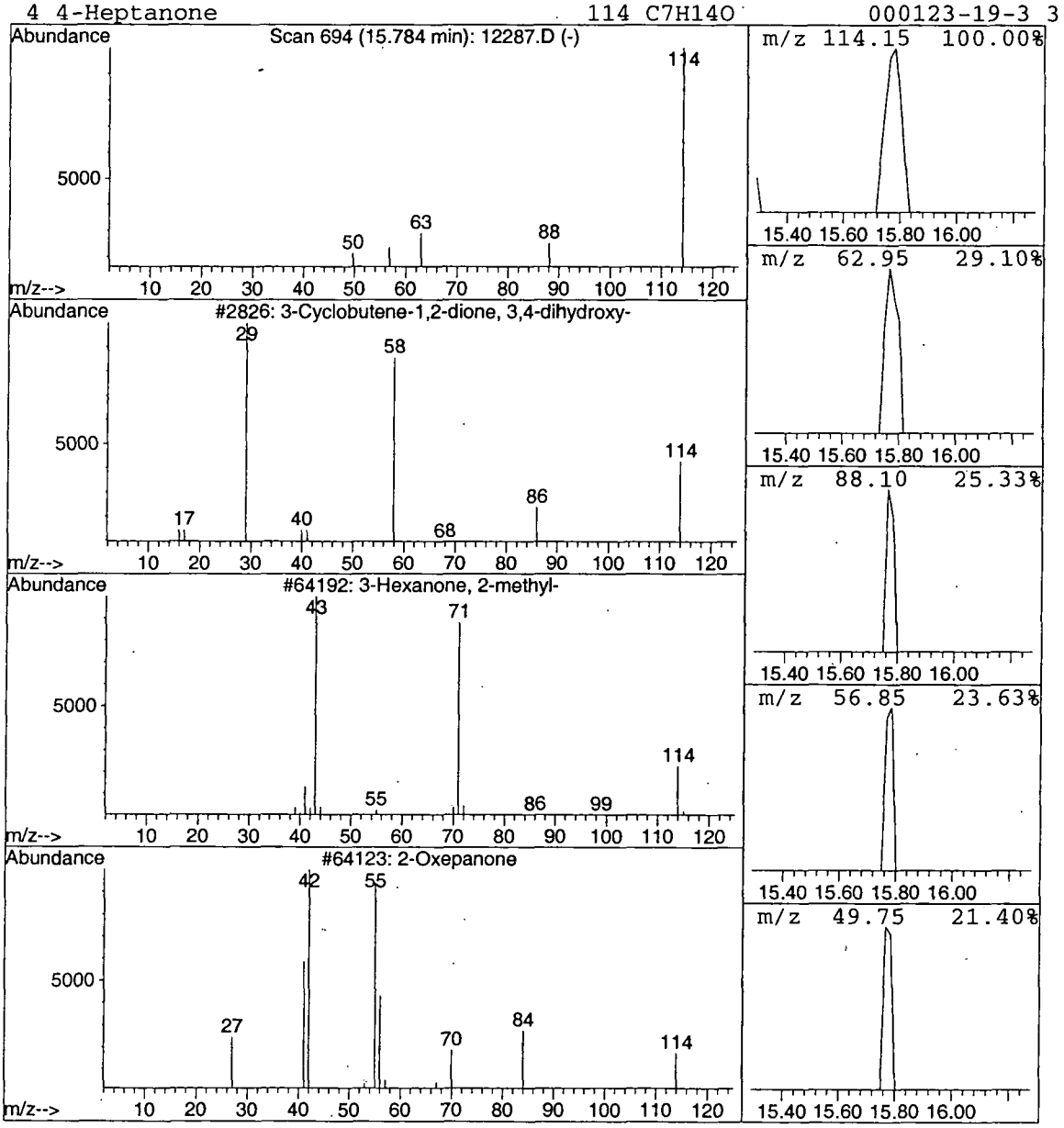
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 3-Cyclobutene-1,2-dione, 3,4-d Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.78	0.03 ug/L	23511	1,4-DIFLUOROBENZENE	15.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyclobutene-1,2-dione, 3,4-dihydr	114	C4H2O4	002892-51-5	4
2	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	4
3	2-Oxepanone	114	C6H10O2	000502-44-3	3
4	4-Heptanone	114	C7H14O	000123-19-3	3



NYC-WTC_000083658

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12287.D Vial: 11
Acq On : 24 May 2002 1:37 am Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

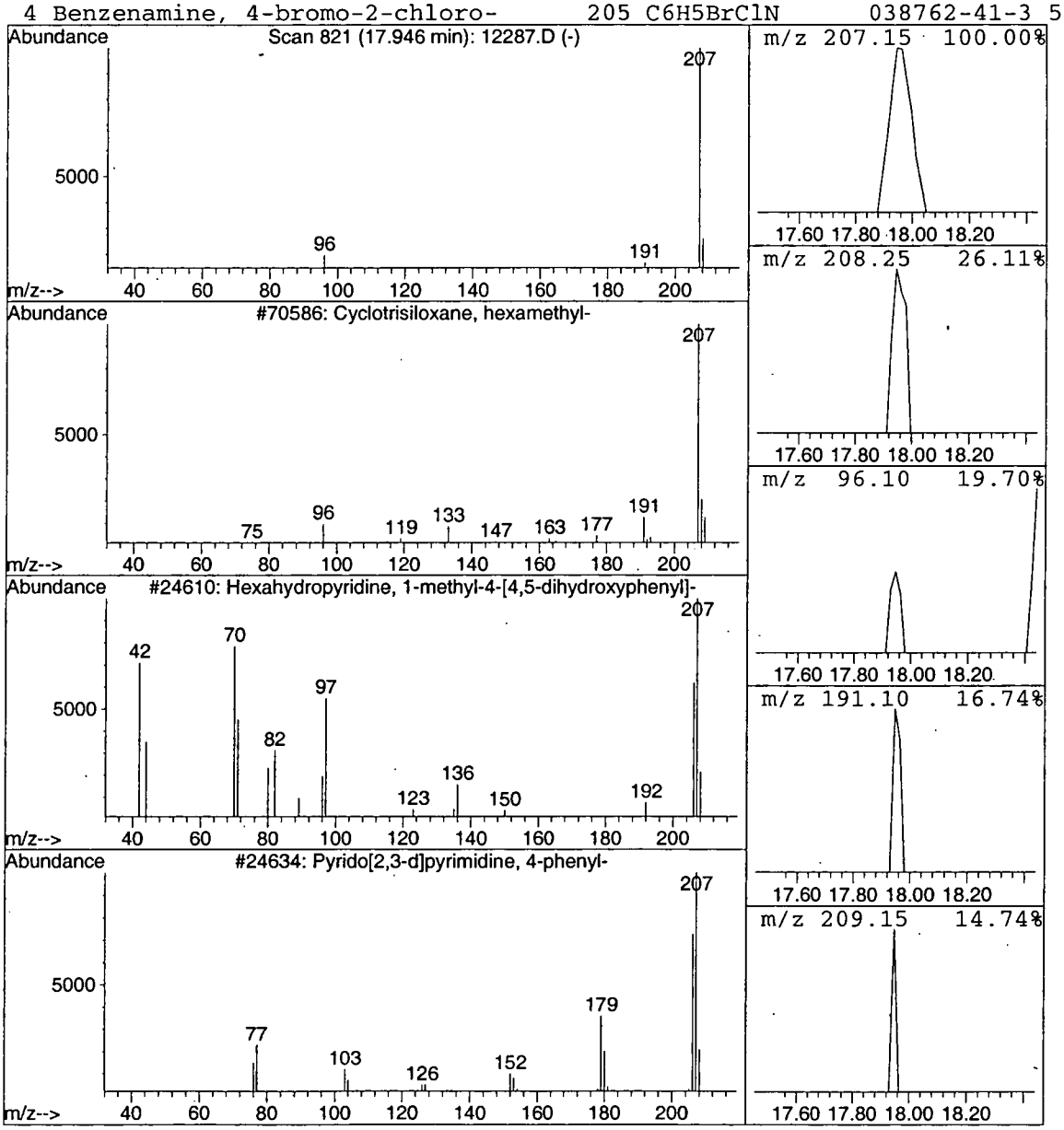
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Cyclotrisiloxane, hexamethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.95	0.05 ug/L	38129	1,4-DIFLUOROBENZENE	15.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	43
2	Hexahydropyridine, 1-methyl-4-[4,5-	207	C12H17NO2	000000-00-0	9
3	Pyrido[2,3-d]pyrimidine, 4-phenyl-	207	C13H9N3	028732-75-4	5
4	Benzenamine, 4-bromo-2-chloro-	205	C6H5BrClN	038762-41-3	5



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12287.D Vial: 11
Acq On : 24 May 2002 1:37 am Operator: 201-wb
Sample : nys Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

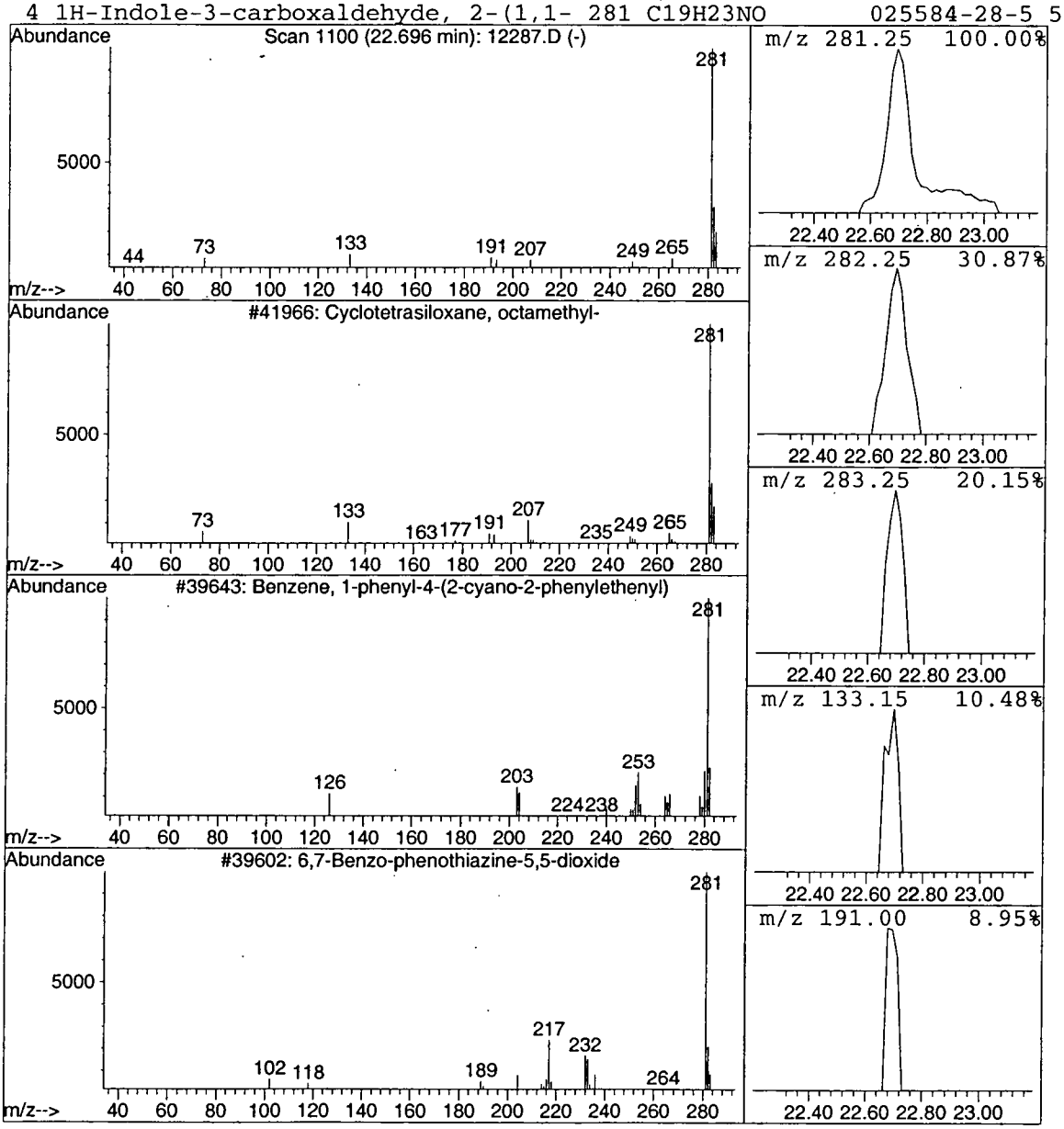
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Cyclotetrasiloxane, octamethyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.70	0.11 ug/L	101690	CHLOROBENZENE-D5	21.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	74
2	Benzene, 1-phenyl-4-(2-cyano-2-phen	281	C21H15N	027869-56-3	9
3	6,7-Benzo-phenothiazine-5,5-dioxide	281	C16H11NO2S	000000-00-0	5
4	1H-Indole-3-carboxaldehyde, 2-(1,1-	281	C19H23NO	025584-28-5	5



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/28/2002 Time: 12:23:13

Sample: AE12278
Analysis: $F_524 Volatile Organic Compounds-Field Blank
Units: ug
Started: 5/24/02 00:02 Ended: 5/24/02 00:02 Analyst: BH
Result source: a:\11278f.rr
Page: 1

	Component Name	Viol	Result	MDL
1	Surr_1,2-DICHLOROETHANE-D		5.2	.5
2	Surr_4-BROMOFLUOROBENZE		5.2	.5
3	Dichlorodifluoromethane		< MRL	.5
4	Chloromethane		< MRL	.5
5	Vinyl chloride		< MRL	.5
6	Bromomethane		< MRL	.5
7	Chloroethane		< MRL	.5
8	Trichlorofluoromethane		< MRL	.5
9	1,1-Dichloroethene		< MRL	.5
10	Methylene Chloride		< MRL	.5
11	Methyl tert-butyl ether (MTBE)		< MRL	1.0
12	trans-1,2-dichloroethene		< MRL	.5
13	1,1-dichloroethane		< MRL	.5
14	2-butanone (MEK)		< MRL	2.0
15	2,2-dichloropropane		< MRL	.5
16	cis-1,2-dichloroethene		< MRL	.5
17	Chloroform		< MRL	.5
18	Bromochloromethane		< MRL	.5
19	1,2-dichloroethane		< MRL	.5
20	Surr_TOLUENE-D8		4.9	.5
21	1,1,1- trichloroethane		< MRL	.5
22	1,1-dichloropropene		< MRL	.5
23	Carbon tetrachloride		< MRL	.5
24	Benzene		< MRL	.5
25	Trichloroethene		< MRL	.5
26	1,2-dichloropropane		< MRL	.5
27	Dibromomethane		< MRL	.5
28	Bromodichloromethane		< MRL	.5
29	Methy iso-butyl ketone (MIBK)		< MRL	1.0
30	cis-1,3-dichloropropene		< MRL	.5
31	Toluene		< MRL	.5
32	trans-1,3-dichloropropene		< MRL	.5
33	1,1,2-trichloroethane		< MRL	.5
34	Tetrachloroethene		< MRL	.5
35	1,3-dichloropropane		< MRL	.5
36	Dibromochloromethane		< MRL	2.0
37	Chlorobenzene		< MRL	.5
38	1,1,1,2-tetrachloroethane		< MRL	.5
39	Ethylbenzene		< MRL	.5
40	P & M-xylene		< MRL	.5
41	O-xylene		< MRL	.5
42	Styrene		< MRL	.5
43	1,1,2,2-tetrachloroethane		< MRL	.5
44	Bromoform		< MRL	2.0
45	Isopropylbenzene		< MRL	.5
46	1,2,3-trichloropropane		< MRL	.5
47	N-propylbenzene		< MRL	.5
48	Bromobenzene		< MRL	.5

NYC 9/11 Public Portal Document

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/28/2002 Time: 12:23:13

Sample: AE12278
Analysis: $F_524 Volatile Organic Compounds-Field Blank
Units: ug
Started: 5/24/02 00:02 Ended: 5/24/02 00:02 Analyst: BH
Result source: a:\11278f.rr
Page: 2

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

NYC 9/11 Public Portal Document

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAY23\12278F.D Vial: 12
Acq On : 24 May 2002 2:20 am Operator: 201-wb
Sample : nys; fb Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 24 14:56 2002 Quant Results File: HP051702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration
DataAcq Meth : HP051702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.12	114	1304315	5.00	ug/L	0.09
24) CHLOROBENZENE-D5	21.78	117	1218019	5.00	ug/L	0.07
52) 1,4-DICHLOROBENZENE-D4	26.95	152	555916	5.00	ug/L	0.07
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.35	65	657005	5.16	ug/L	0.08
Spiked Amount 5.000			Recovery	= 103.20%		
3) 4-BROMOFLUOROBENZENE	24.36	174	475094	5.16	ug/L	0.07
Spiked Amount 5.000			Recovery	= 103.20%		
25) TOLUENE-D8	18.47	98	1625687	4.89	ug/L	0.07
Spiked Amount 5.000			Recovery	= 97.80%		
Target Compounds						Qvalue
12) ACETONE	8.26	43	48760	4.22	ug/L	93
14) METHYLENE CHLORIDE	9.62	49	15674	0.18	ug/L	87
18) 2-BUTANONE (MEK)	12.04	43	2433	0.28	ug/L	54

-lab cont

(#) = qualifier out of range (m) = manual integration
12278F.D HP051702.M Fri May 24 14:56:58 2002 Page 1

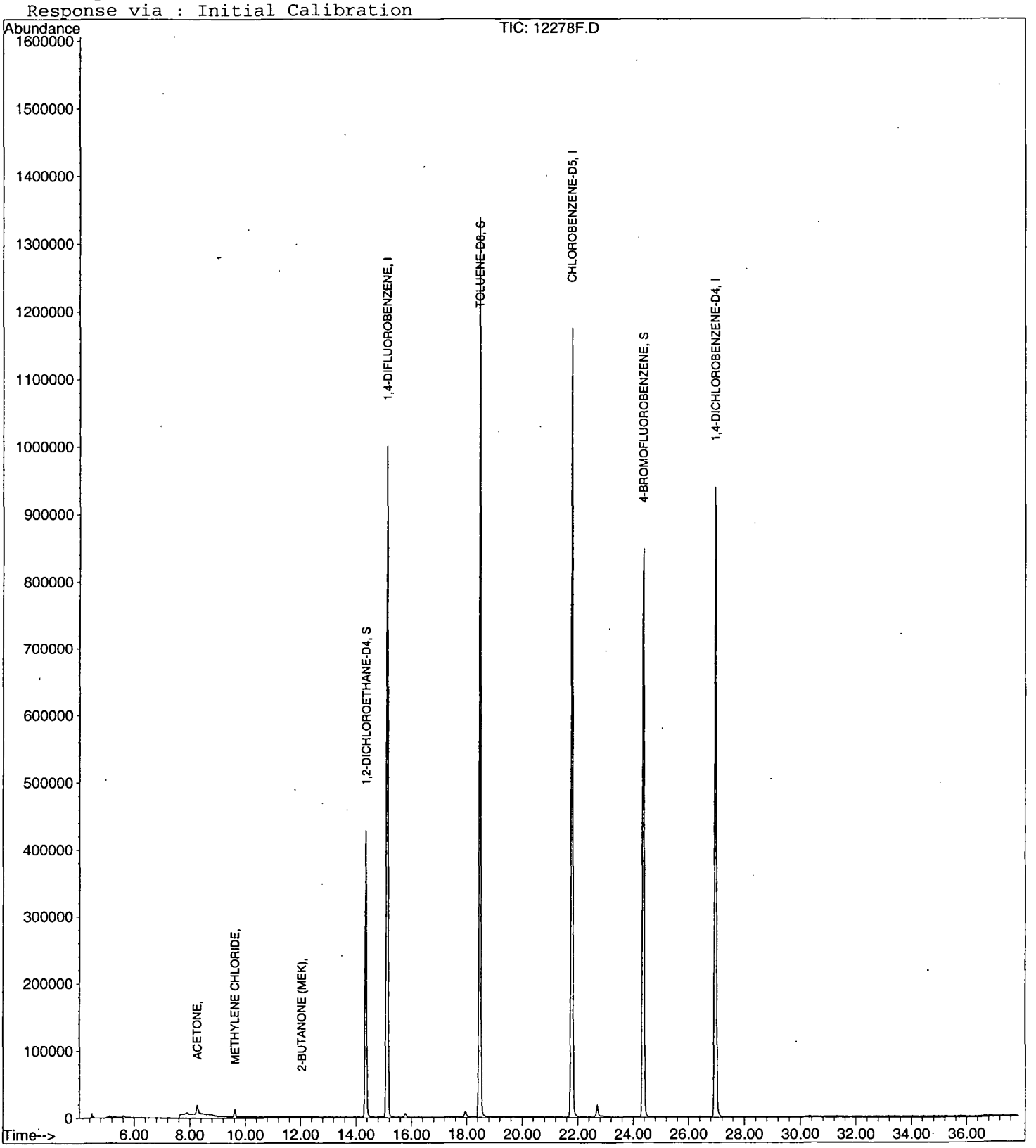
NYC-WTC_000083663

NYC 9/11 Public Portal Document

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12278F.D Vial: 12
Acq On : 24 May 2002 2:20 am Operator: 201-wb
Sample : nys; fb Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 24 14:56 2002 Quant Results File: HP051702.RES

Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration



NYC-WTC_000083664

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12278F.D Vial: 12
Acq On : 24 May 2002 2:20 am Operator: 201-wb
Sample : nys; fb Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

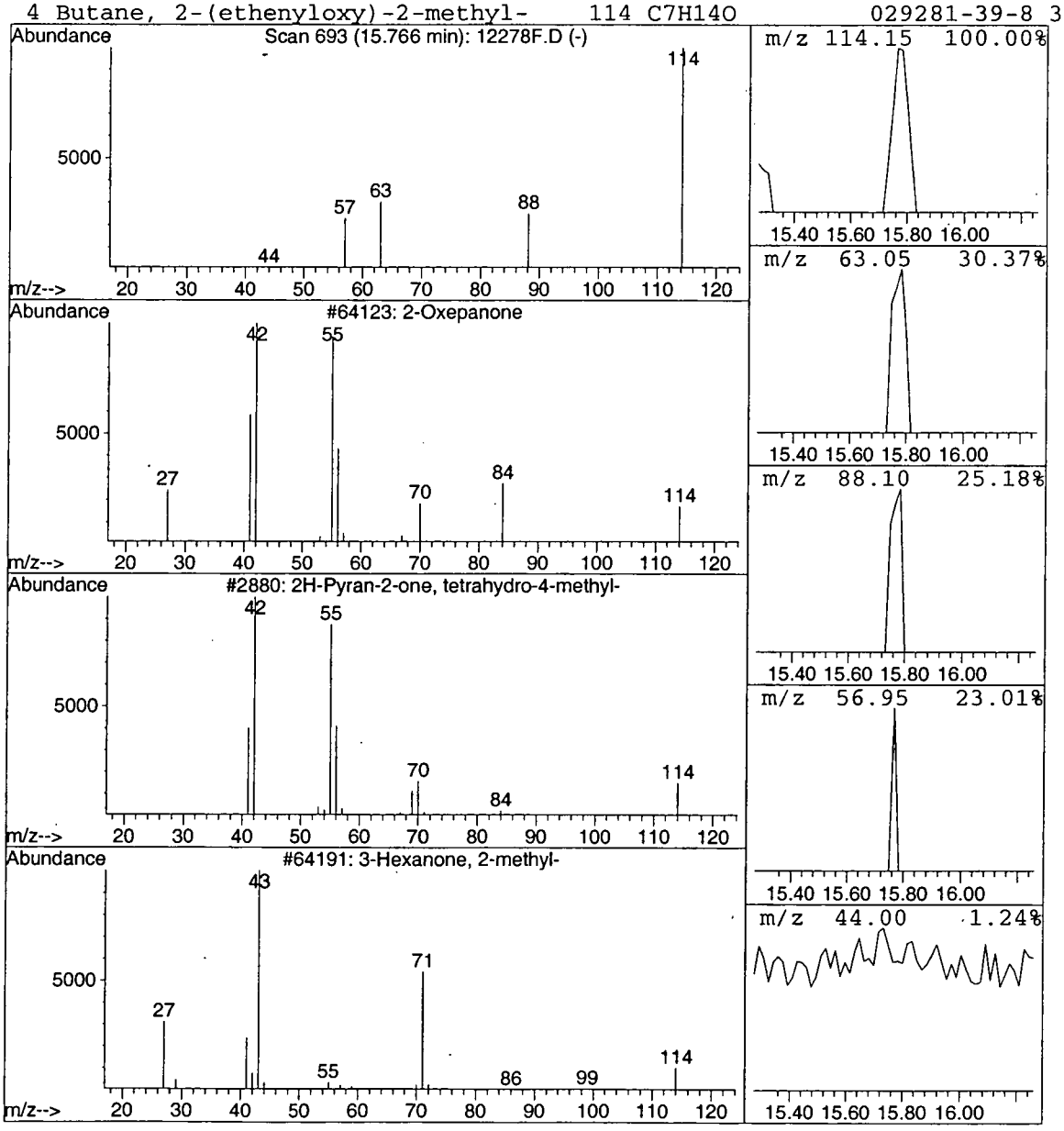
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2-Oxepanone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	0.03 ug/L	21382	1,4-DIFLUOROBENZENE	15.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Oxepanone	114	C6H10O2	000502-44-3	3
2	2H-Pyran-2-one, tetrahydro-4-methyl	114	C6H10O2	001121-84-2	3
3	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	3
4	Butane, 2-(ethenyloxy)-2-methyl-	114	C7H14O	029281-39-8	3



NYC-WTC_000083665

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12278F.D Vial: 12
Acq On : 24 May 2002 2:20 am Operator: 201-wb
Sample : nys; fb Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

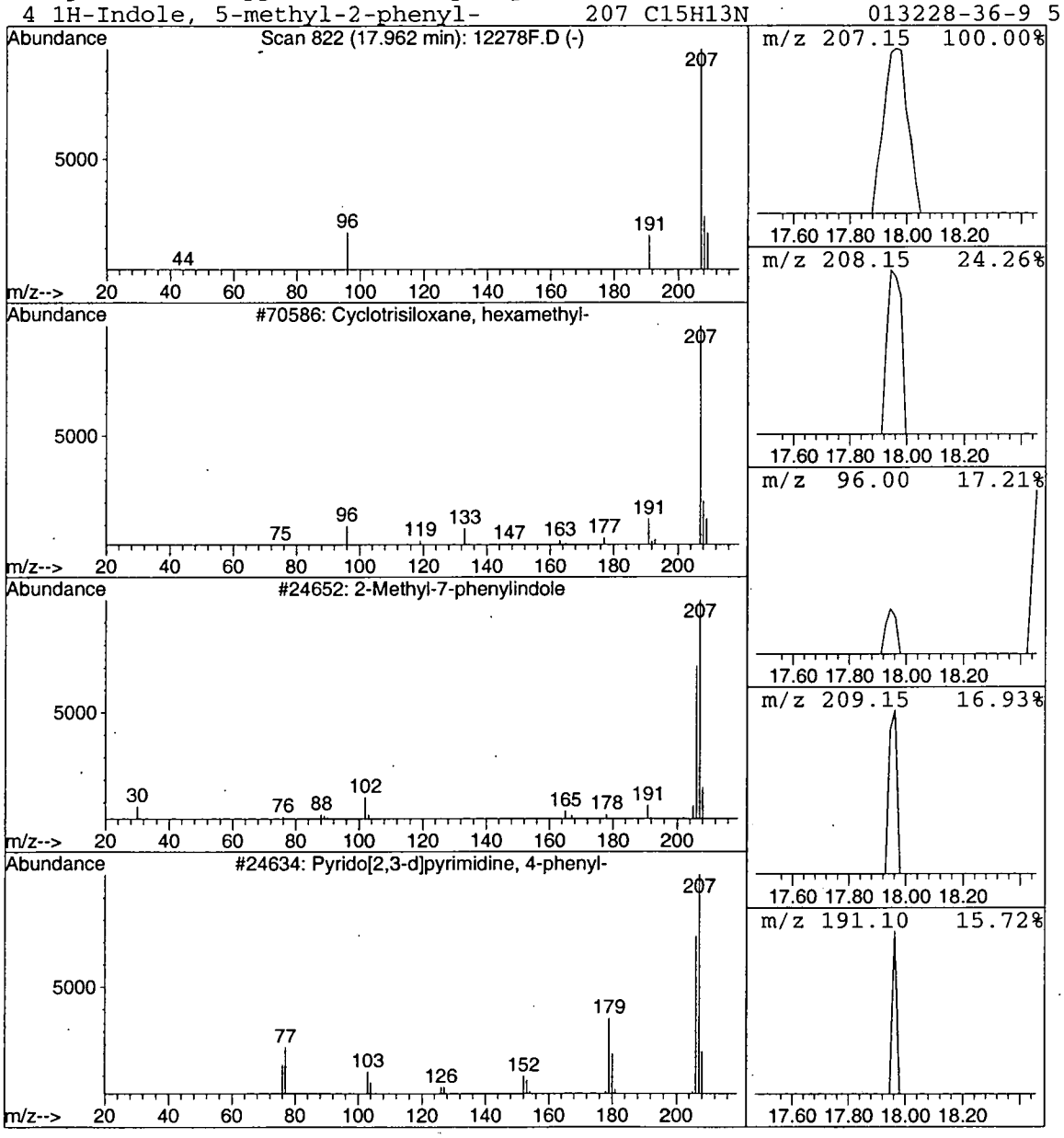
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Cyclotrisiloxane, hexamethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	0.05 ug/L	38970	1,4-DIFLUOROBENZENE	15.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	64
2	2-Methyl-7-phenylindole	207	C15H13N	000000-00-0	9
3	Pyrido[2,3-d]pyrimidine, 4-phenyl-	207	C13H9N3	028732-75-4	5
4	1H-Indole, 5-methyl-2-phenyl-	207	C15H13N	013228-36-9	5



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12278F.D Vial: 12
Acq On : 24 May 2002 2:20 am Operator: 201-wb
Sample : nys; fb Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

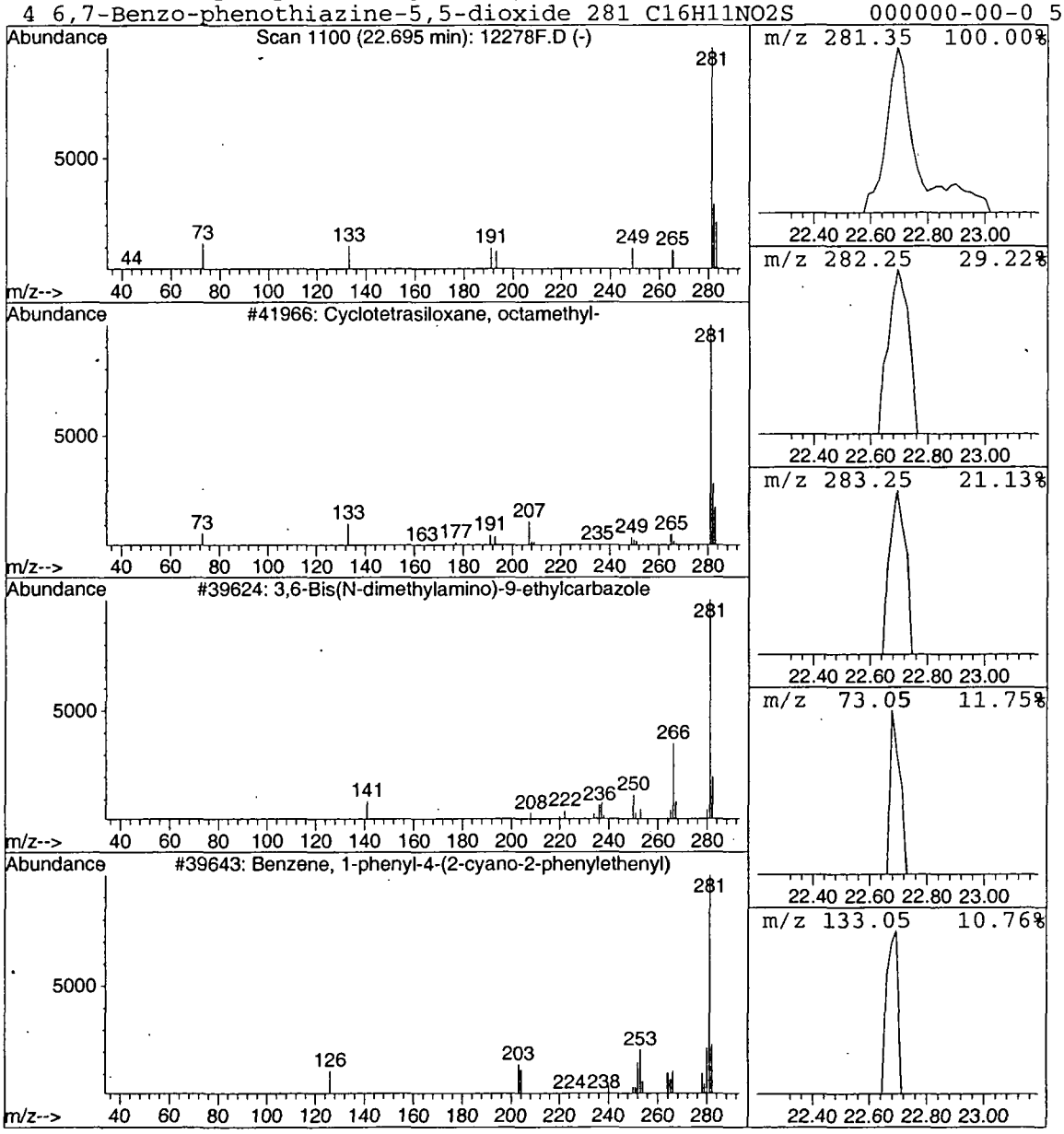
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Cyclotetrasiloxane, octamethyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.70	0.09 ug/L	82345	CHLOROBENZENE-D5	21.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	83
2	3,6-Bis(N-dimethylamino)-9-ethylcar	281	C18H23N3	057103-04-5	9
3	Benzene, 1-phenyl-4-(2-cyano-2-phen	281	C21H15N	027869-56-3	9
4	6,7-Benzo-phenothiazine-5,5-dioxide	281	C16H11NO2S	000000-00-0	5



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/28/2002 Time: 12:23:46

Sample: AE12286
Analysis: $F_524 Volatile Organic Compounds-Field Blank
Units: ug
Started: 5/24/02 00:03 Ended: 5/24/02 00:03 Analyst: BH
Result source: a:\11286f.rr
Page: 1

	Component Name	Viol	Result	MDL
1	Surr_1,2-DICHLOROETHANE-D		5.1	.5
2	Surr_4-BROMOFLUOROBENZE		5.2	.5
3	Dichlorodifluoromethane		< MRL	.5
4	Chloromethane		< MRL	.5
5	Vinyl chloride		< MRL	.5
6	Bromomethane		< MRL	.5
7	Chloroethane		< MRL	.5
8	Trichlorofluoromethane		< MRL	.5
9	1,1-Dichloroethene		< MRL	.5
10	Methylene Chloride		< MRL	.5
11	Methyl tert-butyl ether (MTBE)		< MRL	1.0
12	trans-1,2-dichloroethene		< MRL	.5
13	1,1-dichloroethane		< MRL	.5
14	2-butanone (MEK)		< MRL	2.0
15	2,2-dichloropropane		< MRL	.5
16	cis-1,2-dichloroethene		< MRL	.5
17	Chloroform		< MRL	.5
18	Bromochloromethane		< MRL	.5
19	1,2-dichloroethane		< MRL	.5
20	Surr_TOLUENE-D8		4.9	.5
21	1,1,1- trichloroethane		< MRL	.5
22	1,1-dichloropropene		< MRL	.5
23	Carbon tetrachloride		< MRL	.5
24	Benzene		< MRL	.5
25	Trichloroethene		< MRL	.5
26	1,2-dichloropropane		< MRL	.5
27	Dibromomethane		< MRL	.5
28	Bromodichloromethane		< MRL	.5
29	Methy iso-butyl ketone (MIBK)		< MRL	1.0
30	cis-1,3-dichloropropene		< MRL	.5
31	Toluene		< MRL	.5
32	trans-1,3-dichloropropene		< MRL	.5
33	1,1,2-trichloroethane		< MRL	.5
34	Tetrachloroethene		< MRL	.5
35	1,3-dichloropropane		< MRL	.5
36	Dibromochloromethane		< MRL	2.0
37	Chlorobenzene		< MRL	.5
38	1,1,1,2-tetrachloroethane		< MRL	.5
39	Ethylbenzene		< MRL	.5
40	P & M-xylene		< MRL	.5
41	O-xylene		< MRL	.5
42	Styrene		< MRL	.5
43	1,1,2,2-tetrachloroethane		< MRL	.5
44	Bromoform		< MRL	2.0
45	Isopropylbenzene		< MRL	.5
46	1,2,3-trichloropropane		< MRL	.5
47	N-propylbenzene		< MRL	.5
48	Bromobenzene		< MRL	.5

NYC 9/11 Public Portal Document

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/28/2002 Time: 12:23:46

Sample: AE12286
Analysis: $F_524 Volatile Organic Compounds-Field Blank
Units: ug
Started: 5/24/02 00:03 Ended: 5/24/02 00:03 Analyst: BH
Result source: a:\11286f.rr
Page: 2

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

NYC 9/11 Public Portal Document

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAY23\12286F.D Vial: 13
Acq On : 24 May 2002 3:04 am Operator: 201-wb
Sample : nys; fb Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 24 15:23 2002 Quant Results File: HP051702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration
DataAcq Meth : HP051702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.12	114	1349649	5.00	ug/L	0.09
24) CHLOROBENZENE-D5	21.78	117	1272637	5.00	ug/L	0.07
52) 1,4-DICHLOROBENZENE-D4	26.95	152	579976	5.00	ug/L	0.07
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.35	65	672926	5.11	ug/L	0.09
Spiked Amount 5.000			Recovery	= 102.20%		
3) 4-BROMOFLUOROBENZENE	24.36	174	495050	5.20	ug/L	0.07
Spiked Amount 5.000			Recovery	= 104.00%		
25) TOLUENE-D8	18.47	98	1706892	4.91	ug/L	0.07
Spiked Amount 5.000			Recovery	= 98.20%		
Target Compounds						Qvalue
11) 1,1,2-Trichloro-1,2,2-trif	8.17	101	17618	0.41	ug/L	99
12) ACETONE	8.26	43	334692	28.00	ug/L	99
14) METHYLENE CHLORIDE	9.62	49	33173	0.37	ug/L	92
18) 2-BUTANONE (MEK)	12.02	43	1535	0.17	ug/L	54

lab cont

(#) = qualifier out of range (m) = manual integration
12286F.D HP051702.M Fri May 24 15:25:43 2002 Page 1

NYC-WTC_000083670

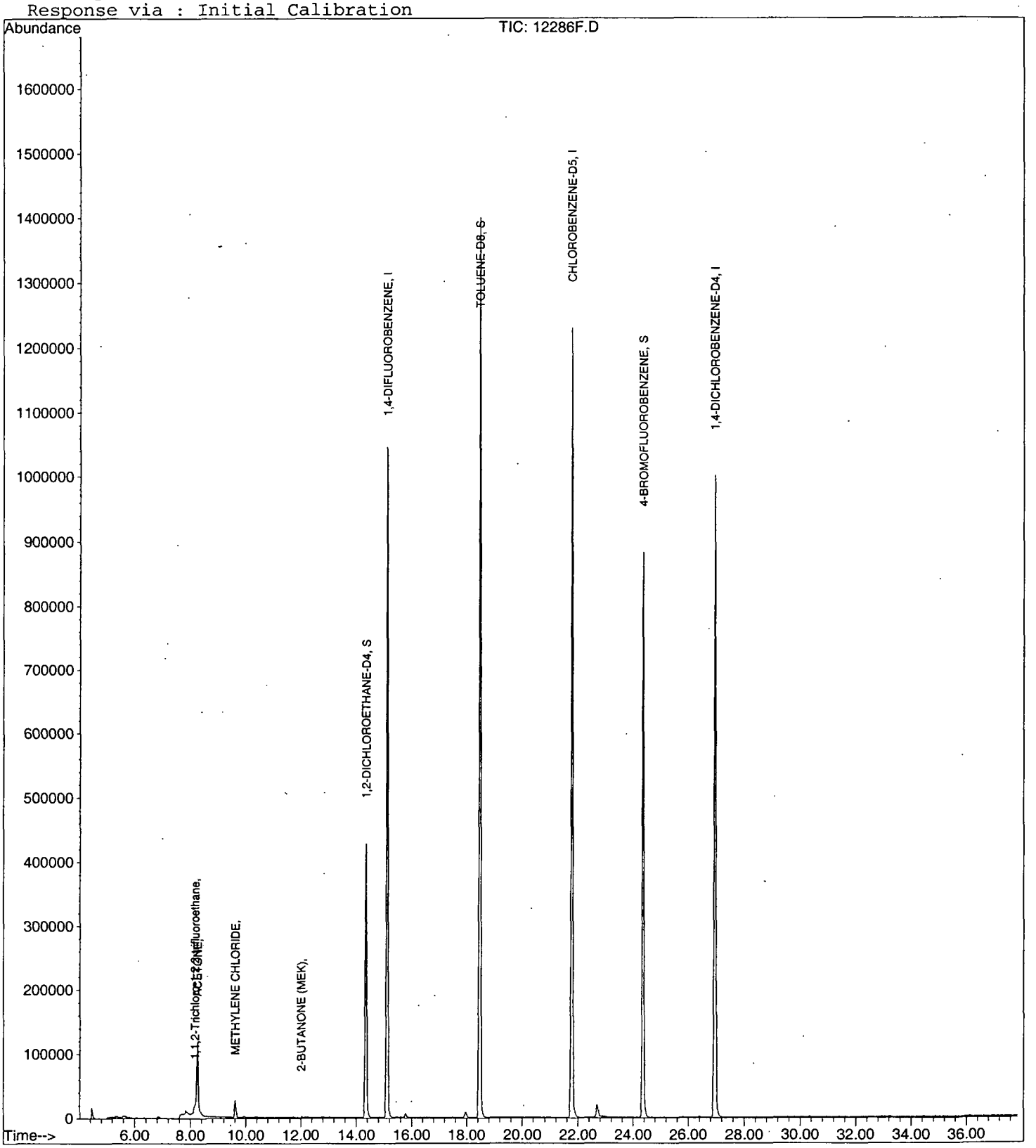
NYC 9/11 Public Portal Document

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12286F.D
Acq On : 24 May 2002 3:04 am
Sample : nys; fb
Misc :
MS Integration Params: GAS6.P
Quant Time: May 24 15:23 2002

Vial: 13
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP051702.RES

Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration



NYC-WTC_000083671

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12286F.D Vial: 13
Acq On : 24 May 2002 3:04 am Operator: 201-wb
Sample : nys; fb Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

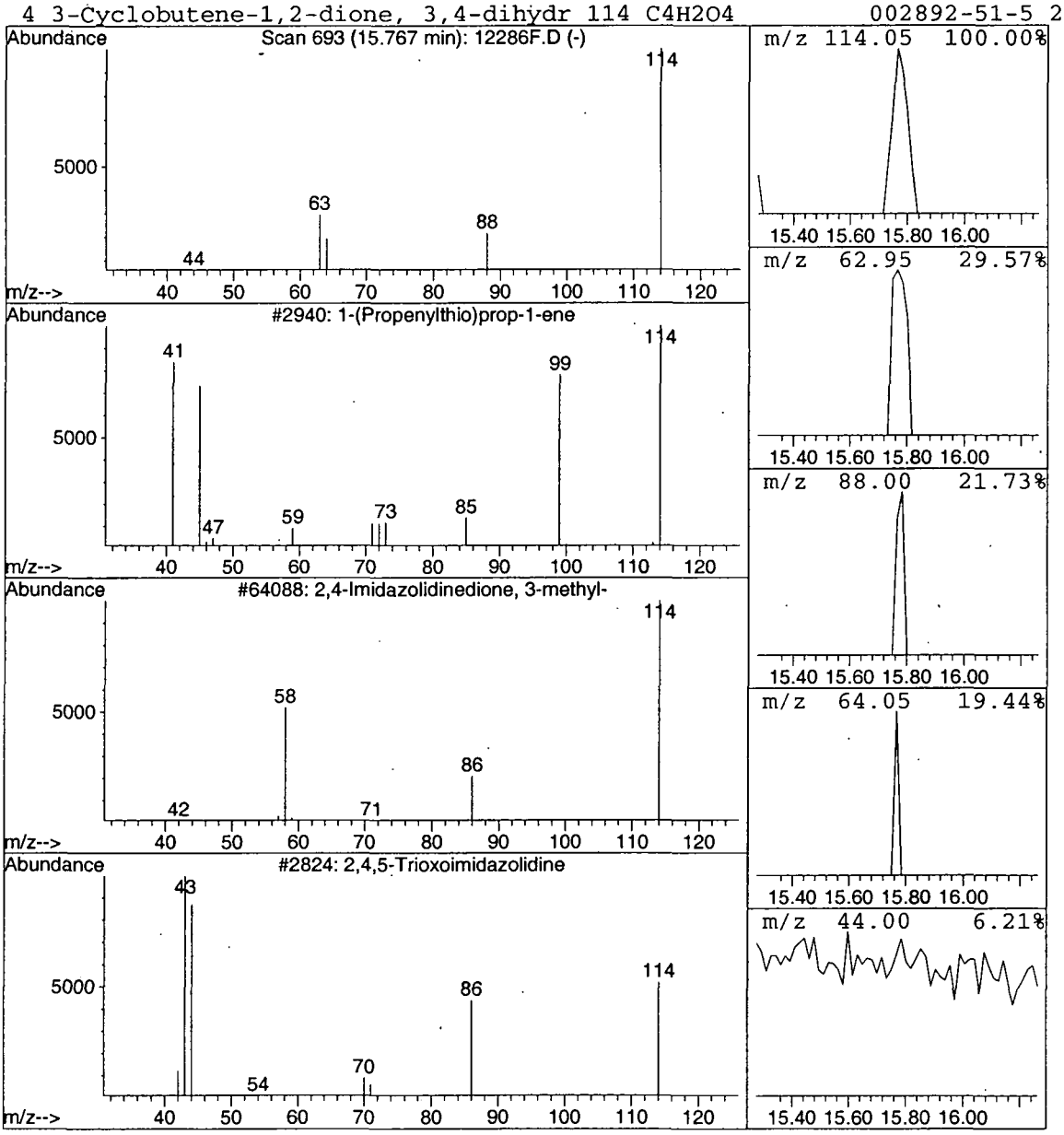
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 1-(Propenylthio)prop-1-ene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	0.03 ug/L	20686	1,4-DIFLUOROBENZENE	15.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(Propenylthio)prop-1-ene	114	C6H10S	000000-00-0	3
2	2,4-Imidazolidinedione, 3-methyl-	114	C4H6N2O2	006843-45-4	3
3	2,4,5-Trioxoimidazolidine	114	C3H2N2O3	000120-89-8	2
4	3-Cyclobutene-1,2-dione, 3,4-dihydr	114	C4H2O4	002892-51-5	2



NYC-WTC_000083672

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12286F.D Vial: 13
Acq On : 24 May 2002 3:04 am Operator: 201-wb
Sample : nys; fb Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

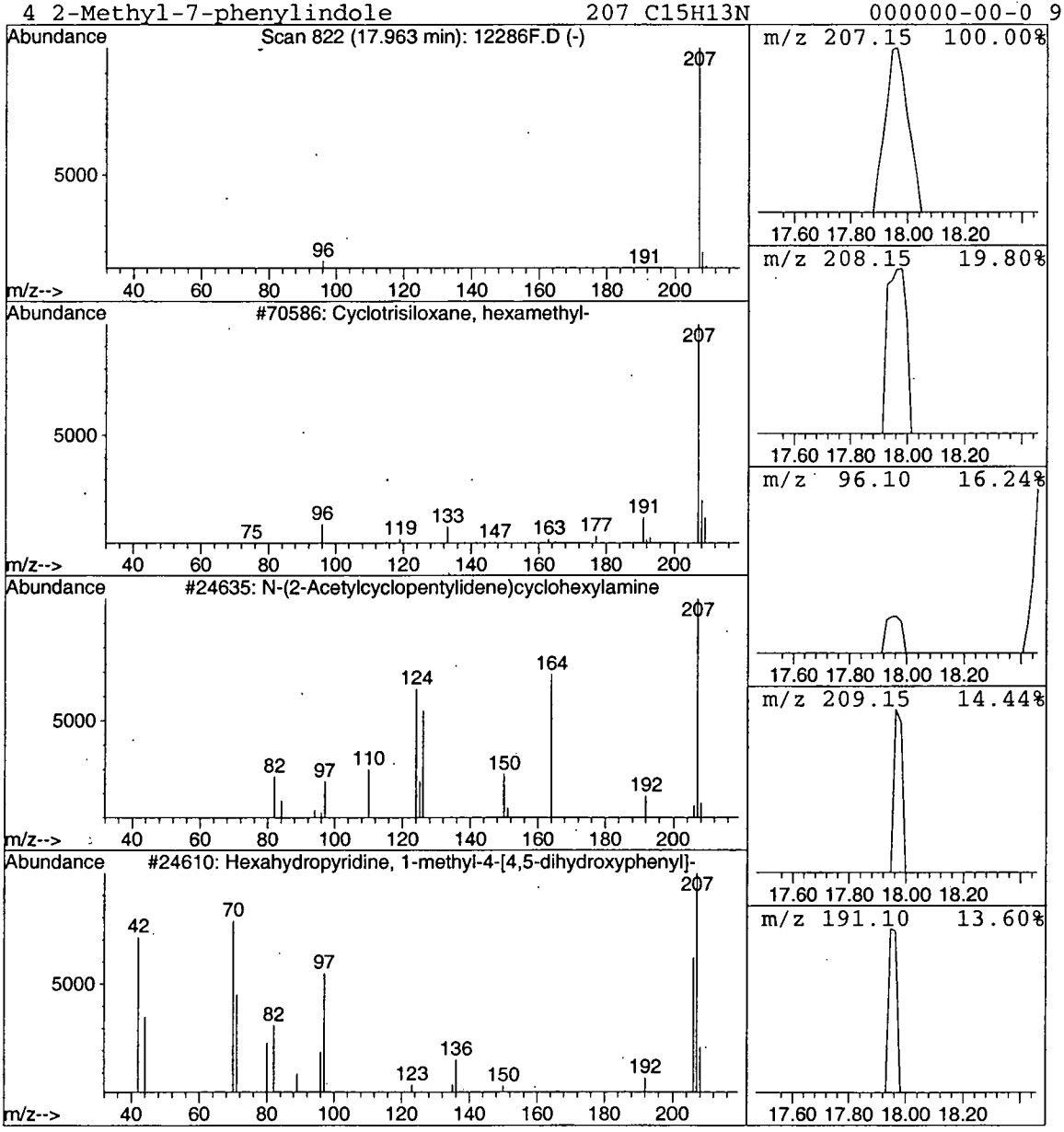
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Cyclotrisiloxane, hexamethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.96	0.05 ug/L	39100	1,4-DIFLUOROBENZENE	15.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotrisiloxane, hexamethyl-	222	C6H18O3Si3	000541-05-9	64
2	N-(2-Acetylcyclopentylidene)cyclohe	207	C13H21NO	000000-00-0	9
3	Hexahydropyridine, 1-methyl-4-[4,5-	207	C12H17NO2	000000-00-0	9
4	2-Methyl-7-phenylindole	207	C15H13N	000000-00-0	9



NYC-WTC_000083673

NYC 9/11 Public Portal Document

Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAY23\12286F.D Vial: 13
Acq On : 24 May 2002 3:04 am Operator: 201-wb
Sample : nys; fb Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

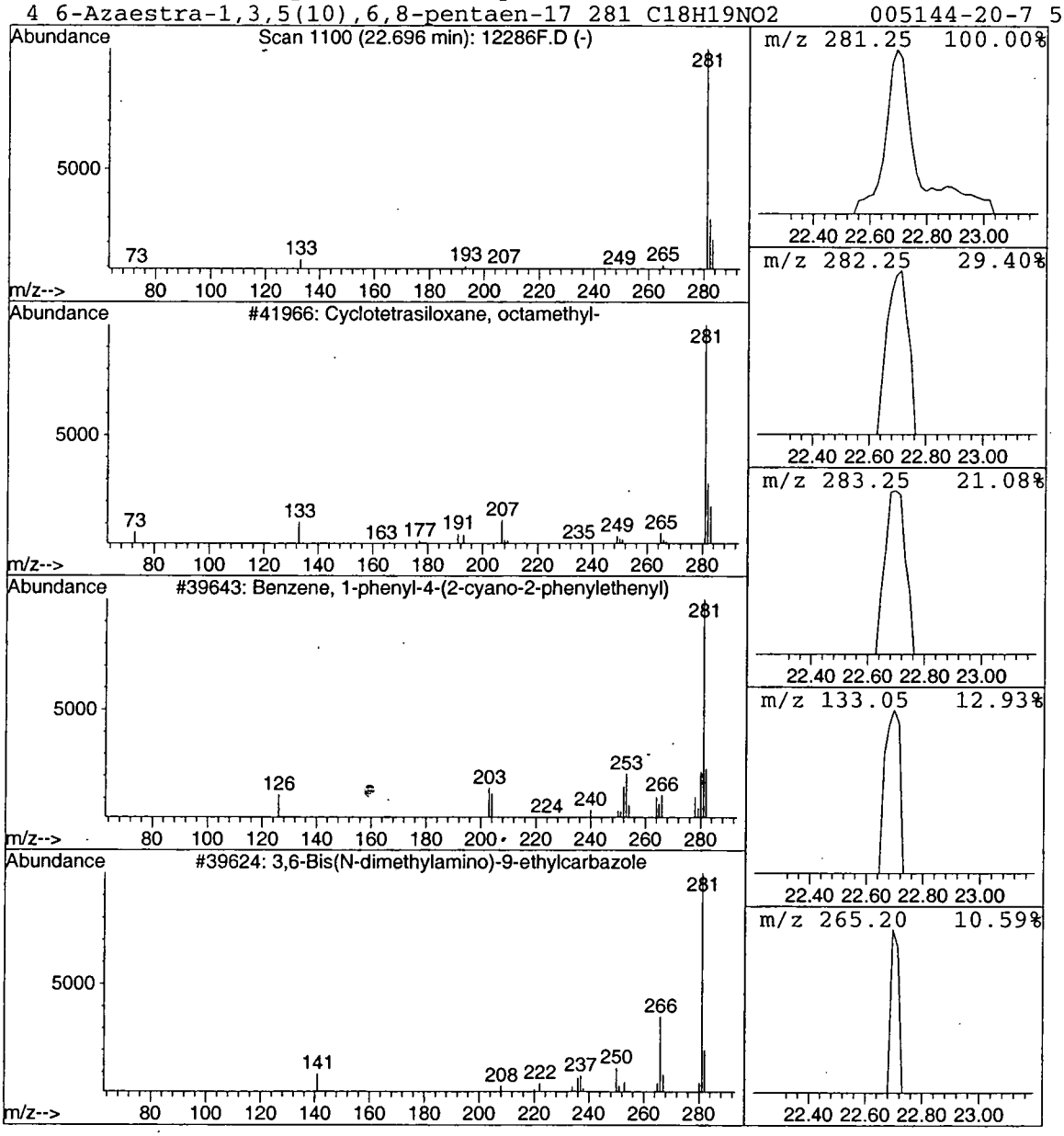
Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Cyclotetrasiloxane, octamethyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.70	0.09 ug/L	84932	CHLOROBENZENE-D5	21.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetrasiloxane, octamethyl-	296	C8H24O4Si4	000556-67-2	78
2	Benzene, 1-phenyl-4-(2-cyano-2-phen	281	C21H15N	027869-56-3	9
3	3,6-Bis(N-dimethylamino)-9-ethylcar	281	C18H23N3	057103-04-5	9
4	6-Azaestra-1,3,5(10),6,8-pentaen-17	281	C18H19NO2	005144-20-7	5



NYC-WTC_000083674

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/31/2002 Time: 12:05:14

Sample: AE12279
Analysis: $C3524 Volatile Organic Compounds-Cal 1
Units: ug
Started: 5/24/02 00:03 Ended: 5/24/02 00:03 Analyst: BH
Result source: manual entry
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Surr_1,2-DICHLOROETHANE-		5.3		.5
2	Surr_4-BROMOFLUOROBENZE		5.9		.5
3	Dichlorodifluoromethane		9.7		.5
4	Chloromethane		12		.5
5	Vinyl chloride		10		.5
6	Bromomethane		8.6		.5
7	Chloroethane		11		.5
8	Trichlorofluoromethane		9.7		.5
9	1,1-Dichloroethene		12		.5
10	Methylene Chloride	USPEC	14		.5
11	Methyl tert-butyl ether		12		1.0
12	trans-1,2-dichloroethene	USPEC	13		.5
13	1,1-dichloroethane	USPEC	13		.5
14	2-butanone (MEK)		58		2.0
15	2,2-dichloropropane		9.6		.5
16	cis-1,2-dichloroethene		13		.5
17	Chloroform		13		.5
18	Bromochloromethane	USPEC	15		.5
19	1,2-dichloroethane	USPEC	14		.5
20	Surr_TOLUENE-D8		4.8		.5
21	1,1,1- trichloroethane		9.9		.5
22	1,1-dichloropropene		11		.5
23	Carbon tetrachloride		10		.5
24	Benzene		12		.5
25	Trichloroethene		11		.5
26	1,2-dichloropropane		13		.5
27	Dibromomethane		12		.5
28	Bromodichloromethane		12		.5
29	Methyl iso-butyl ketone		56		1.0
30	cis-1,3-dichloropropene		12		.5
31	Toluene		12		.5
32	trans-1,3-dichloropropene		10		.5
33	1,1,2-trichloroethane		13		.5
34	Tetrachloroethene		11		.5
35	1,3-dichloropropane	USPEC	13		.5
36	Dibromochloromethane		12		2.0
37	Chlorobenzene		12		.5
38	1,1,1,2-tetrachloroethane		12		.5
39	Ethylbenzene		12		.5
40	P & M-xylene		24		.5
41	O-xylene		12		.5
42	Styrene		13		.5
43	1,1,2,2-tetrachloroethane	USPEC	14		.5
44	Bromoform	USPEC	14		2.0
45	Isopropylbenzene		12		.5
46	1,2,3-trichloropropane		12		.5
47	N-propylbenzene		11		.5
48	Bromobenzene		12		.5

All high samples undil

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 05/31/2002 Time: 12:05:14

Sample: AE12279
Analysis: $C3524 Volatile Organic Compounds-Cal 1
Units: ug
Started: 5/24/02 00:03 Ended: 5/24/02 00:03 Analyst: BH
Result source: manual entry
Page: 2

	Component Name	Vol	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		11		.5
50	2-chlorotoluene		12		.5
51	4-chlorotoluene		10		.5
52	TERT-butylbenzene		11		.5
53	1,2,4-trimethylbenzene		12		.5
54	SEC-butylbenzene		11		.5
55	P-isopropyltoluene		11		.5
56	1,3-dichlorobenzene		12		.5
57	1,4-dichlorobenzene		12		.5
58	N-butylbenzene		11		.5
59	1,2-dichlorobenzene		12		.5
60	1,2,4-trichlorobenzene		12		.5
61	Hexachlobutadiene		11		.5
62	Naphthalene		8.9		.5
63	1,2,3-trichlorobenzene		12		.5
64	Nitrobenzene		250		5.0

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Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAY23\0523C10B.D Vial: 2
Acq On : 24 May 2002 3:47 am Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 31 12:03 2002 Quant Results File: HP051702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration
DataAcq Meth : HP051702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.12	114	1344613	5.00	ug/L	0.09
24) CHLOROBENZENE-D5	21.78	117	1313443	5.00	ug/L	0.07
52) 1,4-DICHLOROBENZENE-D4	26.95	152	684980	5.00	ug/L	0.07
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.35	65	694782	5.29	ug/L	0.09
Spiked Amount 5.000			Recovery =	105.80%		
3) 4-BROMOFLUOROBENZENE	24.36	174	559485	5.90	ug/L	0.07
Spiked Amount 5.000			Recovery =	118.00%		
25) TOLUENE-D8	18.47	98	1708891	4.76	ug/L	0.07
Spiked Amount 5.000			Recovery =	95.20%		
Target Compounds						Qvalue
4) DICHLORODIFLUOROMETHANE	4.85	85	501835	9.69	ug/L	99
5) CHLOROMETHANE	5.37	50	954998	11.86	ug/L	98
6) VINYL CHLORIDE	5.58	62	409324	10.04	ug/L	99
7) BROMOMETHANE	6.57	94	179493	8.63	ug/L	100
8) CHLOROETHANE	6.72	64	458874	11.42	ug/L	97
9) TRICHLOROFLUOROMETHANE	7.28	101	726340	9.65	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	8.17	101	400296	9.31	ug/L	100
12) ACETONE	8.26	43	424452	35.64	ug/L	99
13) 1,1-DICHLOROETHENE	8.62	61	1114043	11.53	ug/L	99
14) METHYLENE CHLORIDE	9.62	49	1198708	13.60	ug/L	96
15) METHYL TERT BUTYL ETHER	9.93	73	817135	11.96	ug/L	97
16) TRANS-1,2-DICHLOROETHENE	10.28	61	1297630	13.24	ug/L	90
17) 1,1-DICHLOROETHANE	11.17	63	1426859	13.45	ug/L	99
18) 2-BUTANONE (MEK)	12.00	43	518151	57.94	ug/L	91
19) 2,2-DICHLOROPROPANE	12.40	77	826907	9.61	ug/L	100
20) CIS-1,2-DICHLOROETHENE	12.48	96	736143	12.78	ug/L	92
21) CHLOROFORM	12.82	83	1433767	12.63	ug/L	100
22) BROMOCHLOROMETHANE	13.20	49	668271	14.96	ug/L	84
23) 1,2-DICHLOROETHANE	14.54	62	1168036	13.76	ug/L	98
26) 1,1,1-TRICHLOROETHANE	13.72	97	1062035	9.94	ug/L	99
27) 1,1-DICHLOROPROPENE	14.05	75	1100980	11.07	ug/L	99
28) CARBON TETRACHLORIDE	14.30	117	875967	9.97	ug/L	98
29) BENZENE	14.64	78	2570439	11.97	ug/L	99
30) TRICHLOROETHENE	15.92	95	801795	11.20	ug/L	95
31) 1,2-DICHLOROPROPANE	16.28	63	738909	12.75	ug/L	96
32) DIBROMOMETHANE	16.96	174	330109	11.75	ug/L	95
33) BROMODICHLOROMETHANE	16.79	83	972095	11.53	ug/L	99
34) 2-CHLOROETHYL VINYL ETHER	17.28	63	199745	17.88	ug/L	96
35) METHYL ISO-BUTYL KETONE	17.35	58	407253	56.09	ug/L	84
36) CIS-1,3-DICHLOROPROPENE	17.89	75	964393	11.82	ug/L	98
37) TOLUENE	18.64	91	2659762	12.14	ug/L	100
38) TRANS-1,3-DICHLOROPROPENE	18.92	75	708099	10.44	ug/L	97
39) 1,1,2-TRICHLOROETHANE	19.31	97	427724	12.67	ug/L	97
40) TETRACHLOROETHENE	20.09	166	739492	11.45	ug/L	97
41) 1,3-DICHLOROPROPANE	19.84	76	853501	13.02	ug/L	97
42) DIBROMOCHLOROMETHANE	20.53	129	497820	12.19	ug/L	96
43) 1,2-DIBROMOETHANE	20.98	107	418150	11.90	ug/L	99
44) CHLOROBENZENE	21.86	112	1651109	12.44	ug/L	97
45) 1,1,1,2-TETRACHLOROETHANE	21.91	131	608399	11.87	ug/L	97
46) 2-HEXANONE	19.21	43	812383	58.47	ug/L	98
47) ETHYLBENZENE	21.90	91	3135058	12.14	ug/L	99

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

NYC-WTC_000083677

NYC 9/11 Public Portal Document

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAY23\0523C10B.D Vial: 2
Acq On : 24 May 2002 3:47 am Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 31 12:03 2002 Quant Results File: HP051702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration
DataAcq Meth : HP051702

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
48)	P & M-XYLENE	22.07	106	2019144	24.37	ug/L	96
49)	O-XYLENE	23.04	91	2490228	12.37	ug/L	97
50)	STYRENE	23.09	104	1637676	12.78	ug/L	95
51)	1,1,2,2-TETRACHLOROETHANE	24.11	83	451379	13.63	ug/L	99
53)	BROMOFORM	23.96	173	242830	13.79	ug/L	97
54)	ISOPROPYLBENZENE	23.75	105	2661039	11.73	ug/L	97
55)	1,2,3-TRICHLOROPROPANE	24.45	110	135899	12.43	ug/L	92
56)	N-PROPYLBENZENE	24.62	91	3405218	11.40	ug/L	97
57)	BROMOBENZENE	24.87	156	676762	12.22	ug/L	89
58)	1,3,5-TRIMETHYLBENZENE	24.94	105	2338843	11.47	ug/L	97
59)	2-CHLOROTOLUENE	25.11	91	2444407	11.75	ug/L	97
60)	4-CHLOROTOLUENE	25.18	91	2179225	10.48	ug/L	96
61)	TERT-BUTYLBENZENE	25.74	119	2052486	11.33	ug/L	98
62)	1,2,4-TRIMETHYLBENZENE	25.83	105	2434307	11.57	ug/L	99
63)	SEC-BUTYLBENZENE	26.20	105	2798521	11.24	ug/L	99
64)	P-ISOPROPYLTOLUENE	26.46	119	2154640	10.99	ug/L	99
65)	1,3-DICHLOROBENZENE	26.82	146	1220855	11.77	ug/L	98
66)	1,4-DICHLOROBENZENE	27.04	146	1222226	11.63	ug/L	97
67)	N-BUTYLBENZENE	27.34	91	2239342	11.02	ug/L	98
68)	1,2-DICHLOROBENZENE	27.89	146	1017241	11.85	ug/L	97
69)	1,2-DIBROMO-3-CHLOROPROPAN	29.68	157	54009	12.85	ug/L	94
70)	1,2,4-TRICHLOROBENZENE	31.97	180	659268	11.61	ug/L	97
71)	HEXACHLOROBUTADIENE	32.28	225	472014	10.79	ug/L	95
72)	NAPHTHALENE	32.81	128	411621	8.92	ug/L	98
73)	1,2,3-TRICHLOROBENZENE	33.52	180	509247	11.68	ug/L	97
74)	NITROBENZENE	29.88	77	232679	249.43	ug/L	95

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

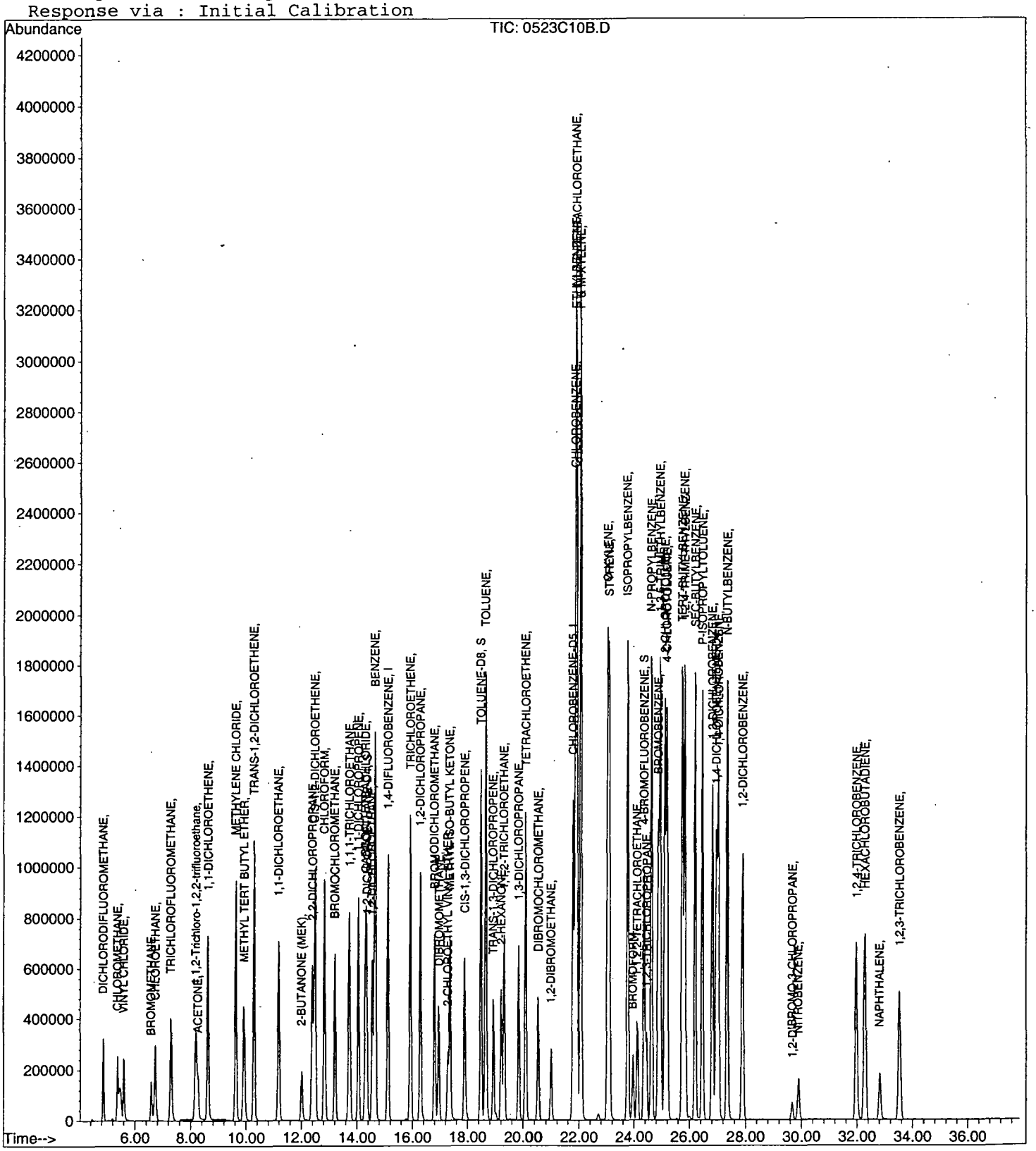
NYC-WTC_000083678

NYC 9/11 Public Portal Document

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02MAY23\0523C10B.D Vial: 2
Acq On : 24 May 2002 3:47 am Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: GAS6.P
Quant Time: May 31 12:03 2002 Quant Results File: HP051702.RES

Method : C:\HPCHEM\1\METHODS\HP051702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu May 23 09:09:18 2002
Response via : Initial Calibration



NYC-WTC_000083679