User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/10/2002 Time: 15:38:00

Sample: AE05178
Analysis: SB1524 Volatile Organic Compounds-Blank
Units: ug
Started: 3/8/02 00:01 Ended: 3/8/02 00:01 Analyst: BH
Result source: a:\0308b1.rr
Page: 1

	Component Name	Viol	Result
1	Surr - 1,2-DICHLOROETHANE-D		5.9
2	Surr - 4-BROMOFLUOROBENZE		4.2
3	DICHLORODIFLUOROMETHANE		< MDL
4	CHLOROMETHANE		< MDL
5	VINYL CHLORIDE		< MDL
6	BROMOMETHANE		< MDL
7	CHLOROETHANE		< MDL
8	TRICHLOROFLUOROMETHANE		< MDL
9	ACETONE		0.26
10	1,1-DICHLOROETHENE		< MDL
11	METHYLENE CHLORIDE		0.89
12	METHYL TERT BUTYL ETHER		< MDL
13	TRANS-1,2-DICHLOROETHENE		< MDL
14	1,1-DICHLOROETHANE		< MDL
15	2-BUTANONE (MEK)		< MDL
16	2,2-DICHLOROPROPANE		< MDL
17	CIS,1,2-DICHLOROETHENE		< MDL
18	CHLOROFORM		0.17
19	BROMOCHLOROMETHANE		< MDL
20	1,2-DICHLOROETHANE		< MDL
21	Surr - TOLUENE-D8		5.3
22	1,1,1-TRICHLOROETHANE		< MDL
23	1,1-DICHLOROPROPENE		< MDL
24	CARBON TETRACHLORIDE		< MDL
25	BENZENE		< MDL
26	TRICHLOROETHENE		< MDL
27	1,2-DICHLOROPROPANE		< MDL
28	DIBROMOMETHANE		< MDL
29	BROMODICHLOROMETHANE		< MDL
30	2-CHLOROETHYL VINYL ETHER		< MDL
31	MIBK		< MDL
32	CIS-1,3-DICHLOROPROPENE		< MDL
33	TOLUENE		< MDL
34	TRANS-1,3-DICHLOROPROPENE		< MDL
35	1,1,2-TRICHLOROETHANE		< MDL
36	TETRACHLOROETHENE		< MDL
37	1,3-DICHLOROPROPANE		< MDL
38	DIBROMOCHLOROMETHANE		< MDL
39	1,2-DIBROMOETHANE		< MDL
40	CHLOROBENZENE		< MDL
41	1,1,1,2-TETRACHLOROETHANE		< MDL
42	2-HEXANONE		< MDL
43	ETHYLBENZENE		< MDL
44	P & M-XYLENE		< MDL
45	O-XYLENE		< MDL
46	STYRENE		< MDL
47	1,1,2,2-TETRACHLOROETHANE		< MDL

lab contamination

water taken out of DI tap - not boiled or

Reviewed by, 5/10/02

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/10/2002 Time: 15:38:00

Sample: AE05178
Analysis: SB1524 Volatile Organic Compounds-Blank
Units: ug
Started: 3/8/02 00:01 Ended: 3/8/02 00:01 Analyst: BH
Result source: a:\0308b1.rr
Page: 2

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02mar08\0308B1.D Vial: 1
Acq On : 8 Mar 2002 11:04 am Operator: 201-wb
Sample : lab blank 1 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 8 11:42 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.03	114	1318753	5.00	ug/L	-0.14
24) CHLOROBENZENE-D5	21.67	117	1232535	5.00	ug/L	-0.15
52) 1,4-DICHLOROBENZENE-D4	26.87	152	580859	5.00	ug/L	-0.14
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.27	65	504588	5.92	ug/L	-0.14
Spiked Amount 5.000			Recovery = 118.40%			
3) 4-BROMOFLUOROBENZENE	24.26	174	451566	4.23	ug/L	-0.15
Spiked Amount 5.000			Recovery = 84.60%			
25) TOLUENE-D8	18.39	98	1573111	5.29	ug/L	-0.14
Spiked Amount 5.000			Recovery = 105.80%			
Target Compounds						Qvalue
12) ACETONE	8.19	43	1757	0.26	ug/L	52
14) METHYLENE CHLORIDE	9.55	49	60387	0.89	ug/L	93
21) CHLOROFORM	12.74	83	17484	0.17	ug/L	92

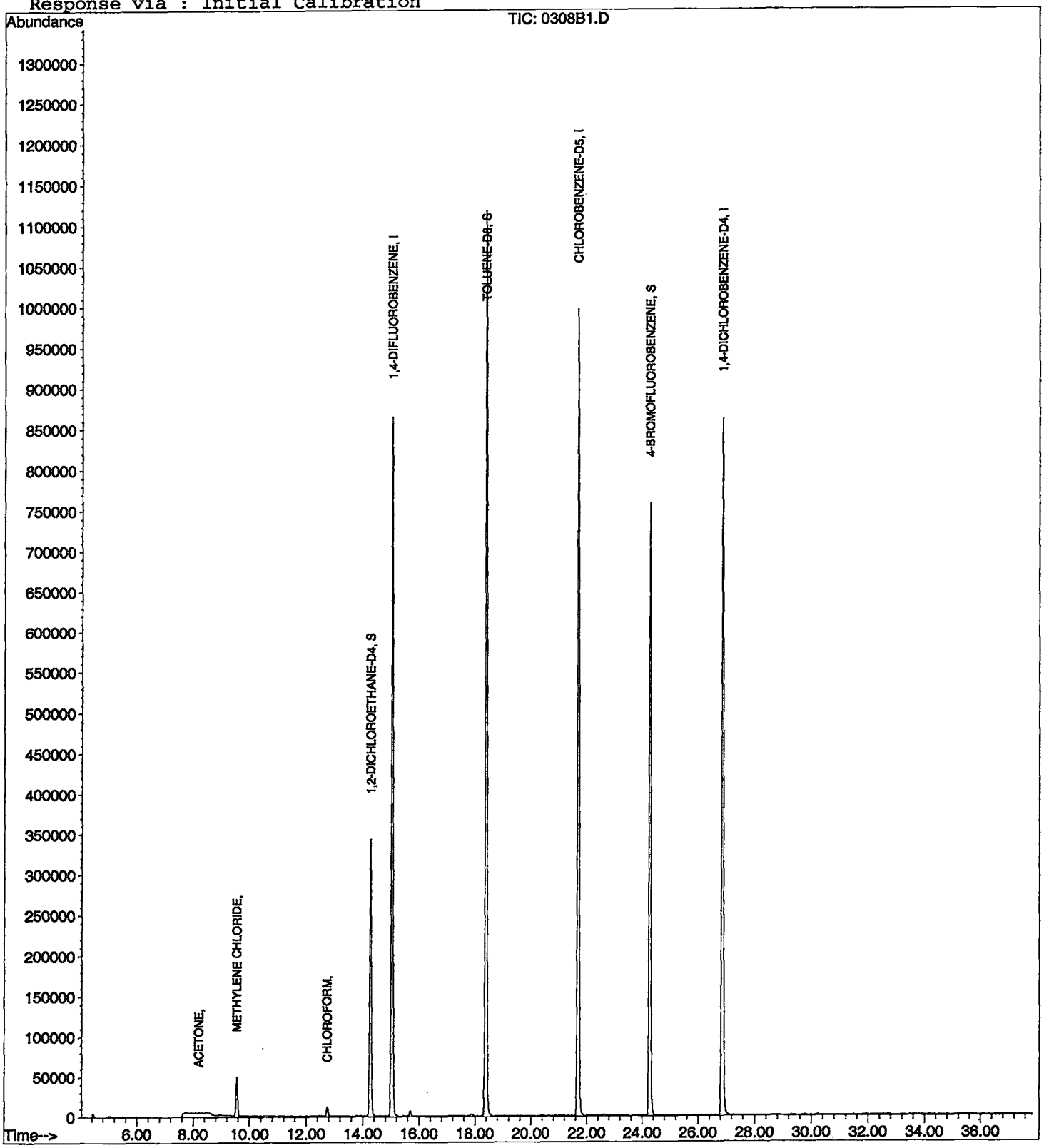
(#) = qualifier out of range (m) = manual integration
0308B1.D HP022702.M Fri Mar 08 11:42:37 2002 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02mar08\0308B1.D
Acq On : 8 Mar 2002 11:04 am
Sample : lab blank 1
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 8 11:42 2002

Vial: 1
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP022702.RES

Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/10/2002 Time: 15:38:21

Sample: AE05178
Analysis: SC1524 Volatile Organic Compounds-Cal 1
Units: ug
Started: 3/8/02 00:01 Ended: 3/8/02 00:01 Analyst: BH
Result source: a:\0308c10.rr
Page: 1

	Component Name	Viol	Result	MDL
1	Surr_1,2-DICHLOROETHANE-D4		6.0	.5
2	Surr_4-BROMOFLUOROBENZEN		4.6	.5
3	Dichlorodifluoromethane		7.9	.5
4	Chloromethane		8.4	.5
5	Vinyl chloride		8.0	.5
6	Bromomethane		11	.5
7	Chloroethane		11	.5
8	Trichlorofluoromethane		9.6	.5
9	1,1-Dichloroethene	USPEC	15	.5
10	Methylene chloride	USPEC	15	.5
11	Methyl tert-butyl ether		10	1.0
12	trans-1,2-dichloroethene		11	.5
13	1,1-dichloroethane		11	.5
14	2-butanone (MEK)		10	2.0
15	2,2-dichloropropane		11	.5
16	cis-1,2-dichloroethene		10	.5
17	Chloroform		10	.5
18	Bromochloromethane		9.2	.5
19	1,2-dichloroethane		11	.5
20	Surr_TOLUENE-D8		5.3	.5
21	1,1,1- trichloroethane		12	.5
22	1,1-dichloropropene		12	.5
23	Carbon tetrachloride		12	.5
24	Benzene		11	.5
25	Trichloroethene		11	.5
26	1,2-dichloropropane		9.9	.5
27	Dibromomethane		9.2	.5
28	Bromodichloromethane		11	.5
29	Methyl iso-butyl ketone		8.8	1.0
30	cis-1,3-dichloropropene		10	.5
31	Toluene		11	.5
32	trans-1,3-dichloropropene		11	.5
33	1,1,2-trichloroethane		9.6	.5
34	Tetrachloroethene		10	.5
35	1,3-dichloropropane		9.9	.5
36	Dibromochloromethane		10	2.0
37	Chlorobenzene		10	.5
38	1,1,1,2-tetrachloroethane		10	.5
39	Ethylbenzene		11	.5
40	P & M-xylene		21	.5
41	O-xylene		11	.5
42	Styrene		10	.5
43	1,1,2,2-tetrachloroethane		8.9	.5
44	Bromoform		10	2.0
45	Isopropylbenzene		12	.5
46	1,2,3-trichloropropane		10	.5
47	N-propylbenzene		11	.5

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/10/2002 Time: 15:38:21

Sample: AE05178
Analysis: SC1524 Volatile Organic Compounds-Cal 1
Units: ug
Started: 3/8/02 00:01 Ended: 3/8/02 00:01 Analyst: BH
Result source: a:\0308c10.rr
Page: 2

	Component Name	Viol	Result	MDL
48	Bromobenzene		10	.5
49	1,3,5-trimethylbenzene		11	.5
50	2-chlorotoluene		11	.5
51	4-chlorotoluene		11	.5
52	TERT-butylbenzene		11	.5
53	1,2,4-trimethylbenzene		11	.5
54	SEC-butylbenzene		11	.5
55	P-isopropyltoluene		11	.5
56	1,3-dichlorobenzene		10	.5
57	1,4-dichlorobenzene		9.9	.5
58	N-butylbenzene		11	.5
59	1,2-dichlorobenzene		9.9	.5
60	1,2,4-trichlorobenzene		9.9	.5
61	Hexachlobutadiene		11	.5
62	Naphthalene		8.7	.5
63	1,2,3-trichlorobenzene		9.7	.5
64	Nitrobenzene		200	5.0

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02mar08\0308C10.D Vial: 2
Acq On : 8 Mar 2002 11:47 am Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 8 12:25 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.03	114	1425066	5.00	ug/L	-0.14
24) CHLOROBENZENE-D5	21.69	117	1361397	5.00	ug/L	-0.14
52) 1,4-DICHLOROBENZENE-D4	26.87	152	672566	5.00	ug/L	-0.14
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.27	65	552609	6.00	ug/L	-0.14
Spiked Amount 5.000			Recovery	= 120.00%		
3) 4-BROMOFLUOROBENZENE	24.28	174	525629	4.56	ug/L	-0.14
Spiked Amount 5.000			Recovery	= 91.20%		
25) TOLUENE-D8	18.39	98	1736703	5.29	ug/L	-0.14
Spiked Amount 5.000			Recovery	= 105.80%		
Target Compounds						Qvalue
4) DICHLORODIFLUOROMETHANE	4.84	85	304560	7.87	ug/L	97
5) CHLOROMETHANE	5.44	50	355425	8.43	ug/L	97
6) VINYL CHLORIDE	5.56	62	187682	7.95	ug/L	95
7) BROMOMETHANE	6.55	94	286408	10.64	ug/L	96
8) CHLOROETHANE	6.68	64	270724	11.44	ug/L	93
9) TRICHLOROFLUOROMETHANE	7.23	101	499459	9.56	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	8.12	101	329023	14.82	ug/L	100
12) ACETONE	8.21	43	109248	14.98	ug/L	99
13) 1,1-DICHLOROETHENE	8.55	61	901047	14.52	ug/L	96
14) METHYLENE CHLORIDE	9.55	49	1087759	14.87	ug/L	99
15) METHYL TERT BUTYL ETHER	9.86	73	851347	10.15	ug/L	99
16) TRANS-1,2-DICHLOROETHENE	10.22	61	949254	11.28	ug/L	99
17) 1,1-DICHLOROETHANE	11.10	63	1099911	10.58	ug/L	99
18) 2-BUTANONE (MEK)	11.94	43	163414	10.47	ug/L	94
19) 2,2-DICHLOROPROPANE	12.33	77	849040	11.08	ug/L	97
20) CIS-1,2-DICHLOROETHENE	12.41	96	660335	10.33	ug/L	96
21) CHLOROFORM	12.75	83	1146063	10.50	ug/L	99
22) BROMOCHLOROMETHANE	13.13	49	495483	9.21	ug/L	98
23) 1,2-DICHLOROETHANE	14.47	62	757548	10.99	ug/L	100
26) 1,1,1-TRICHLOROETHANE	13.64	97	864128	11.87	ug/L	98
27) 1,1-DICHLOROPROPENE	13.96	75	861470	12.07	ug/L	97
28) CARBON TETRACHLORIDE	14.23	117	743447	12.17	ug/L	99
29) BENZENE	14.57	78	2165800	10.73	ug/L	99
30) TRICHLOROETHENE	15.83	95	666833	11.23	ug/L	97
31) 1,2-DICHLOROPROPANE	16.19	63	578538	9.88	ug/L	99
32) DIBROMOMETHANE	16.87	174	283474	9.22	ug/L	93
33) BROMODICHLOROMETHANE	16.72	83	795458	10.82	ug/L	98
34) 2-CHLOROETHYL VINYL ETHER	17.20	63	192857	10.38	ug/L	99
35) METHYL ISO-BUTYL KETONE	17.28	58	91686	8.78	ug/L	95
36) CIS-1,3-DICHLOROPROPENE	17.81	75	820372	10.26	ug/L	97
37) TOLUENE	18.56	91	2349191	10.59	ug/L	100
38) TRANS-1,3-DICHLOROPROPENE	18.85	75	603278	10.55	ug/L	99
39) 1,1,2-TRICHLOROETHANE	19.22	97	367014	9.63	ug/L	99
40) TETRACHLOROETHENE	20.00	166	642371	10.08	ug/L	97
41) 1,3-DICHLOROPROPANE	19.75	76	691150	9.89	ug/L	99
42) DIBROMOCHLOROMETHANE	20.45	129	456239	9.97	ug/L	99
43) 1,2-DIBROMOETHANE	20.89	107	371060	9.56	ug/L	97
44) CHLOROBENZENE	21.78	112	1528987	10.05	ug/L	97
45) 1,1,1,2-TETRACHLOROETHANE	21.83	131	512773	10.17	ug/L	96
46) 2-HEXANONE	19.12	43	164244	6.18	ug/L	90
47) ETHYLBENZENE	21.81	91	2772671	11.01	ug/L	100

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02mar08\0308C10.D Vial: 2
Acq On : 8 Mar 2002 11:47 am Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 8 12:25 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

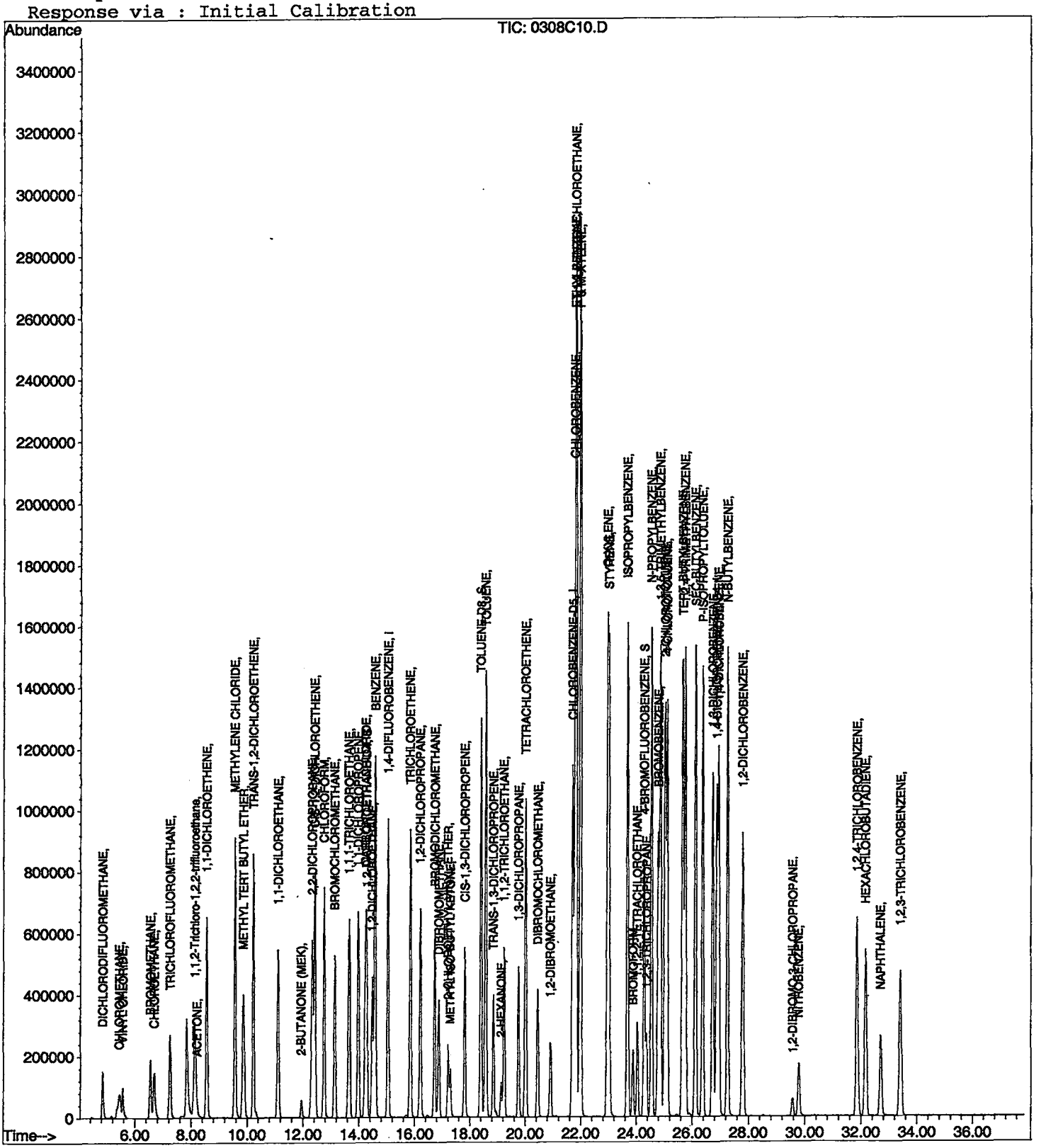
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
48)	P & M-XYLENE	21.98	106	1871725	20.62	ug/L	97
49)	O-XYLENE	22.95	91	2164671	10.85	ug/L	97
50)	STYRENE	23.00	104	1537460	10.16	ug/L	95
51)	1,1,2,2-TETRACHLOROETHANE	24.02	83	389316	8.86	ug/L	100
53)	BROMOFORM	23.87	173	219179	10.43	ug/L	99
54)	ISOPROPYLBENZENE	23.67	105	2455635	11.56	ug/L	99
55)	1,2,3-TRICHLOROPROPANE	24.36	110	113933	10.09	ug/L	99
56)	N-PROPYLBENZENE	24.53	91	3128765	11.40	ug/L	99
57)	BROMOBENZENE	24.79	156	606418	10.18	ug/L	97
58)	1,3,5-TRIMETHYLBENZENE	24.86	105	2093341	11.47	ug/L	97
59)	2-CHLOROTOLUENE	25.03	91	2108627	11.38	ug/L	99
60)	4-CHLOROTOLUENE	25.10	91	1759141	10.71	ug/L	98
61)	TERT-BUTYLBENZENE	25.66	119	1915583	11.06	ug/L	94
62)	1,2,4-TRIMETHYLBENZENE	25.74	105	2167968	11.30	ug/L	95
63)	SEC-BUTYLBENZENE	26.12	105	2661882	11.44	ug/L	98
64)	P-ISOPROPYLTOLUENE	26.37	119	2058307	11.24	ug/L	95
65)	1,3-DICHLOROBENZENE	26.73	146	1137658	10.05	ug/L	98
66)	1,4-DICHLOROBENZENE	26.93	146	1144135	9.88	ug/L	97
67)	N-BUTYLBENZENE	27.26	91	2147935	11.35	ug/L	98
68)	1,2-DICHLOROBENZENE	27.79	146	960410	9.93	ug/L	97
69)	1,2-DIBROMO-3-CHLOROPROPAN	29.57	157	53194	9.97	ug/L	96
70)	1,2,4-TRICHLOROBENZENE	31.85	180	606330	9.91	ug/L	97
71)	HEXACHLOROBUTADIENE	32.16	225	302950	10.99	ug/L	98
72)	NAPHTHALENE	32.69	128	667055	8.67	ug/L	100
73)	1,2,3-TRICHLOROBENZENE	33.40	180	484755	9.70	ug/L	99
74)	NITROBENZENE	29.78	77	263409	195.57	ug/L	95

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02mar08\0308C10.D Vial: 2
Acq On : 8 Mar 2002 11:47 am Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 8 12:25 2002 Quant Results File: HP022702.RES

Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/10/2002 Time: 15:39:07

Sample: AE05178
Analysis: SQ_524 Volatile Organic Compounds-Reference Rec
Units: ug
Started: 3/10/02 15:39 Ended: 3/10/02 15:39 Analyst: BH
Result source: calculation
Page: 1

	Component Name	Viol	Result	MDL
1	Surr - 1,2-DICHLOROETHANE-D		5.9	.5
2	Surr - 4-BROMOFLUOROBENZE		4.4	.5
3	Dichlorodifluoromethane		88	.5
4	Chloromethane		98	.5
5	Vinyl chloride		130	.5
6	Bromomethane		114	.5
7	Chloroethane		116	.5
8	Trichlorofluoromethane		96	.5
9	1,1-Dichloroethene		90	.5
10	Methylene Chloride		106	.5
11	Methyl tert butyl ether		82	1.0
12	trans-1,2-dichloroethene		82	.5
13	1,1-dichloroethane		84	.5
14	2-butanone (MEK)		68	2.0
15	2,2-dichloropropane		88	.5
16	cis-1,2-dichloroethene		86	.5
17	Chloroform		90	.5
18	Bromochloromethane		78	.5
19	1,2-dichloroethane		96	.5
20	Surr - TOLUENE-D8		5.3	.5
21	1,1,1-trichloroethane		96	.5
22	1,1-dichloropropene		98	.5
23	Carbon tetrachloride		92	.5
24	Benzene		92	.5
25	Trichloroethene		96	.5
26	1,2-dichloropropane		88	.5
27	Dibromomethane		80	.5
28	Bromodichloromethane		94	.5
29	Methyl iso-butyl ketone		74	1.0
30	cis-1,3-dichloropropene		88	.5
31	Toluene		94	.5
32	trans-1,3-dichloropropene		94	.5
33	1,1,2-trichloroethane		90	.5
34	Tetrachloroethene		86	.5
35	1,3-dichloropropane		88	.5
36	Dibromochloromethane		86	2.0
37	Chlorobenzene		90	.5
38	1,1,1,2-tetrachloroethane		92	.5
39	Ethylbenzene		98	.5
40	P & M-xylene		94	.5
41	O-xylene		98	.5
42	Styrene		88	.5
43	1,1,2,2-tetrachloroethane		82	.5
44	Bromoform		82	2.0
45	Isopropylbenzene		102	.5
46	1,2,3-trichloropropane		90	.5
47	N-propylbenzene		100	.5

low

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/10/2002 Time: 15:39:07

Sample: AE05178
Analysis: SQ_524 Volatile Organic Compounds-Reference Rec
Units: ug
Started: 3/10/02 15:39 Ended: 3/10/02 15:39 Analyst: BH
Result source: calculation
Page: 2

	Component Name	Vlol	Result	MDL
48	Bromobenzene		88	.5
49	1,3,5-trimethylbenzene		104	.5
50	2-chlorotoluene		98	.5
51	4-chlorotoluene		102	.5
52	TERT-butylbenzene		100	.5
53	1,2,4-trimethylbenzene		100	.5
54	SEC-butylbenzene		104	.5
55	P-isopropyltoluene		106	.5
56	1,3-dichlorobenzene		92	.5
57	1,4-dichlorobenzene		88	.5
58	N-butylbenzene		104	.5
59	1,2-dichlorobenzene		90	.5
60	1,2,4-trichlorobenzene		90	.5
61	Hexachlorobutadiene		102	.5
62	Naphthalene		86	.5
63	1,2,3-trichlorobenzene		88	.5
64	Ethanol			
65	Nitrobenzene		75	5.0

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/10/2002 Time: 15:38:57

Sample: AE05178
Analysis: $RE524 Reference recovery for 524
Units: ug
Started: 3/8/02 00:02 Ended: 3/8/02 00:02 Analyst: BH
Result source: a:\0308r5a.rr
Page: 1

	Component Name	Vlol	Result	MDL
1	1,2-DICHLOROETHANE-D4		5.9	
2	4-BROMOFLUOROBENZENE		4.4	
3	DICHLORODIFLUOROMETHANE		4.4	.5
4	CHLOROMETHANE		4.9	.5
5	VINYL CHLORIDE		6.5	.5
6	BROMOMETHANE		5.7	.5
7	CHLOROETHANE		5.8	.5
8	TRICHLOROFLUOROMETHANE		4.8	.5
9	ACETONE		7.2	.5
10	1,1-DICHLOROETHENE		4.5	.5
11	METHYLENE CHLORIDE		5.3	.5
12	METHYL TERT BUTYL ETHER		4.1	1
13	TRANS-1,2-DICHLOROETHENE		4.1	.5
14	1,1-DICHLOROETHANE		4.2	.5
15	2-BUTANONE (MEK)		3.4	.5
16	2,2-DICHLOROPROPANE		4.4	.5
17	CIS-1,2-DICHLOROETHENE		4.3	.5
18	CHLOROFORM		4.5	.5
19	BROMOCHLOROMETHANE		3.9	.5
20	1,2-DICHLOROETHANE		4.8	.5
21	TOLUENE-D8		5.3	
22	1,1,1-TRICHLOROETHANE		4.8	.5
23	1,1-DICHLOROPROPENE		4.9	.5
24	CARBON TETRACHLORIDE		4.6	.5
25	BENZENE		4.6	.5
26	TRICHLOROETHENE		4.8	.5
27	1,2-DICHLOROPROPANE		4.4	.5
28	DIBROMOMETHANE		4.0	.5
29	BROMODICHLOROMETHANE		4.7	.5
30	2-CHLOROETHYL VINYL ETHER		4.4	.5
31	METHYL ISO-BUTYL KETONE		3.7	1
32	CIS-1,3-DICHLOROPROPENE		4.4	.5
33	TOLUENE		4.7	.5
34	TRANS-1,3-DICHLOROPROPENE		4.7	.5
35	1,1,2-TRICHLOROETHANE		4.5	.5
36	TETRACHLOROETHENE		4.3	.5
37	1,3-DICHLOROPROPANE		4.4	.5
38	DIBROMOCHLOROMETHANE		4.3	2
39	1,2-DIBROMOETHANE		4.3	.5
40	CHLOROBENZENE		4.5	.5
41	1,1,1,2-TETRACHLOROETHANE		4.6	.5
42	2-HEXANONE		2.8	.5
43	ETHYLBENZENE		4.9	.5
44	P & M-XYLENE		9.4	.5
45	O-XYLENE		4.9	.5
46	STYRENE		4.4	.5
47	1,1,2,2-TETRACHLOROETHANE		4.1	.5

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/10/2002 Time: 15:38:57

Sample: AE05178
Analysis: SRE524 Reference recovery for 524
Units: ug
Started: 3/8/02 00:02 Ended: 3/8/02 00:02 Analyst: BH
Result source: a:\0308r5a.rr
Page: 2

	Component Name	Viol	Result	MDL
48	BROMOFORM		4.1	2
49	ISOPROPYLBENZENE		5.1	.5
50	1,2,3-TRICHLOROPROPANE		4.5	.5
51	N-PROPYLBENZENE		5.0	.5
52	BROMOBENZENE		4.4	.5
53	1,3,5-TRIMETHYLBENZENE		5.2	.5
54	2-CHLOROTOLUENE		4.9	.5
55	4-CHLOROTOLUENE		5.1	.5
56	TERT-BUTYLBENZENE		5.0	.5
57	1,2,4-TRIMETHYLBENZENE		5.0	.5
58	SEC-BUTYLBENZENE		5.2	.5
59	P-ISOPROPYLTOLUENE		5.3	.5
60	1,3-DICHLOROBENZENE		4.6	.5
61	1,4-DICHLOROBENZENE		4.4	.5
62	N-BUTYLBENZENE		5.2	.5
63	1,2-DICHLOROBENZENE		4.5	.5
64	1,2-DIBROMO-3-CHLOROPROPA		4.2	.5
65	1,2,4-TRICHLOROBENZENE		4.5	.5
66	HEXACHLOROBUTADIENE		5.1	.5
67	NAPHTHALENE		4.3	.5
68	1,2,3-TRICHLOROBENZENE		4.4	.5
69	ETHANOL		< MDL	30
70	NITROBENZENE		75	5.0

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02mar08\0308R5A.D Vial: 6
Acq On : 8 Mar 2002 2:45 pm Operator: 201-wb
Sample : ref 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 8 15:23 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.05	114	1487581	5.00	ug/L	-0.12
24) CHLOROBENZENE-D5	21.69	117	1426221	5.00	ug/L	-0.14
52) 1,4-DICHLOROBENZENE-D4	26.88	152	707601	5.00	ug/L	-0.12
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.28	65	570680	5.93	ug/L	-0.12
Spiked Amount 5.000			Recovery	=	118.60%	
3) 4-BROMOFLUOROBENZENE	24.28	174	534839	4.44	ug/L	-0.14
Spiked Amount 5.000			Recovery	=	88.80%	
25) TOLUENE-D8	18.39	98	1838473	5.35	ug/L	-0.14
Spiked Amount 5.000			Recovery	=	107.00%	
Target Compounds						Qvalue
4) DICHLORODIFLUOROMETHANE	4.83	85	169863	4.39	ug/L	97
5) CHLOROMETHANE	5.45	50	213489	4.95	ug/L	98
6) VINYL CHLORIDE	5.57	62	163323	6.46	ug/L	98
7) BROMOMETHANE	6.54	94	151379	5.72	ug/L	90
8) CHLOROETHANE	6.68	64	138344	5.79	ug/L	96
9) TRICHLOROFLUOROMETHANE	7.23	101	261864	4.80	ug/L	99
12) ACETONE	8.21	43	55035	7.23	ug/L	96
13) 1,1-DICHLOROETHENE	8.56	61	290878	4.49	ug/L	98
14) METHYLENE CHLORIDE	9.57	49	405076	5.31	ug/L	99
15) METHYL TERT BUTYL ETHER	9.88	73	354623	4.05	ug/L	97
16) TRANS-1,2-DICHLOROETHENE	10.23	61	361549	4.12	ug/L	100
17) 1,1-DICHLOROETHANE	11.12	63	457438	4.22	ug/L	98
18) 2-BUTANONE (MEK)	11.95	43	54887	3.37	ug/L	91
19) 2,2-DICHLOROPROPANE	12.33	77	351972	4.40	ug/L	96
20) CIS-1,2-DICHLOROETHENE	12.43	96	285309	4.27	ug/L	97
21) CHLOROFORM	12.77	83	507761	4.46	ug/L	97
22) BROMOCHLOROMETHANE	13.14	49	219532	3.91	ug/L	97
23) 1,2-DICHLOROETHANE	14.49	62	347796	4.83	ug/L	100
26) 1,1,1-TRICHLOROETHANE	13.65	97	362788	4.76	ug/L	99
27) 1,1-DICHLOROPROPENE	13.98	75	362887	4.85	ug/L	97
28) CARBON TETRACHLORIDE	14.23	117	296393	4.63	ug/L	99
29) BENZENE	14.57	78	964624	4.56	ug/L	98
30) TRICHLOROETHENE	15.85	95	298194	4.79	ug/L	99
31) 1,2-DICHLOROPROPANE	16.21	63	267705	4.36	ug/L	99
32) DIBROMOMETHANE	16.87	174	127737	3.97	ug/L	86
33) BROMODICHLOROMETHANE	16.72	83	359205	4.66	ug/L	96
34) 2-CHLOROETHYL VINYL ETHER	17.21	63	84838	4.36	ug/L	96
35) METHYL ISO-BUTYL KETONE	17.28	58	40652	3.72	ug/L	98
36) CIS-1,3-DICHLOROPROPENE	17.81	75	366169	4.37	ug/L	97
37) TOLUENE	18.58	91	1086879	4.68	ug/L	97
38) TRANS-1,3-DICHLOROPROPENE	18.85	75	283849	4.74	ug/L	98
39) 1,1,2-TRICHLOROETHANE	19.24	97	178460	4.47	ug/L	96
40) TETRACHLOROETHENE	20.02	166	286237	4.29	ug/L	98
41) 1,3-DICHLOROPROPANE	19.77	76	324008	4.43	ug/L	98
42) DIBROMOCHLOROMETHANE	20.45	129	206341	4.30	ug/L	99
43) 1,2-DIBROMOETHANE	20.91	107	173161	4.26	ug/L	99
44) CHLOROBENZENE	21.78	112	722415	4.53	ug/L	96
45) 1,1,1,2-TETRACHLOROETHANE	21.83	131	241424	4.57	ug/L	97
46) 2-HEXANONE	19.14	43	78532	2.82	ug/L	99
47) ETHYLBENZENE	21.83	91	1297386	4.92	ug/L	99
48) P & M-XYLENE	21.98	106	898045	9.45	ug/L	98

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02mar08\0308R5A.D Vial: 6
Acq On : 8 Mar 2002 2:45 pm Operator: 201-wb
Sample : ref 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 8 15:23 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
49)	O-XYLENE	22.95	91	1029976	4.93	ug/L	98
50)	STYRENE	23.02	104	699312	4.41	ug/L	97
51)	1,1,2,2-TETRACHLOROETHANE	24.04	83	187793	4.08	ug/L	99
53)	BROMOFORM	23.87	173	90652	4.10	ug/L	99
54)	ISOPROPYLBENZENE	23.68	105	1139446	5.10	ug/L	99
55)	1,2,3-TRICHLOROPROPANE	24.36	110	54042	4.55	ug/L	98
56)	N-PROPYLBENZENE	24.55	91	1455112	5.04	ug/L	97
57)	BROMOBENZENE	24.79	156	278806	4.45	ug/L	93
58)	1,3,5-TRIMETHYLBENZENE	24.86	105	995785	5.19	ug/L	99
59)	2-CHLOROTOLUENE	25.03	91	946251	4.85	ug/L	97
60)	4-CHLOROTOLUENE	25.11	91	882682	5.11	ug/L	99
61)	TERT-BUTYLBENZENE	25.66	119	914205	5.02	ug/L	93
62)	1,2,4-TRIMETHYLBENZENE	25.74	105	1016350	5.04	ug/L	97
63)	SEC-BUTYLBENZENE	26.12	105	1260902	5.15	ug/L	98
64)	P-ISOPROPYLTOLUENE	26.37	119	1019472	5.29	ug/L	95
65)	1,3-DICHLOROBENZENE	26.73	146	545727	4.58	ug/L	98
66)	1,4-DICHLOROBENZENE	26.95	146	540934	4.44	ug/L	97
67)	N-BUTYLBENZENE	27.26	91	1041459	5.23	ug/L	99
68)	1,2-DICHLOROBENZENE	27.80	146	459594	4.52	ug/L	98
69)	1,2-DIBROMO-3-CHLOROPROPAN	29.57	157	23629	4.21	ug/L	99
70)	1,2,4-TRICHLOROBENZENE	31.85	180	287088	4.46	ug/L	99
71)	HEXACHLOROBUTADIENE	32.18	225	147455	5.09	ug/L	97
72)	NAPHTHALENE	32.71	128	347906	4.30	ug/L	99
73)	1,2,3-TRICHLOROBENZENE	33.40	180	231946	4.41	ug/L	98
74)	NITROBENZENE	29.79	77	105618	74.53	ug/L	92

(#) = qualifier out of range (m) = manual integration
0308R5A.D HP022702.M Fri Mar 08 15:24:04 2002 Page 2

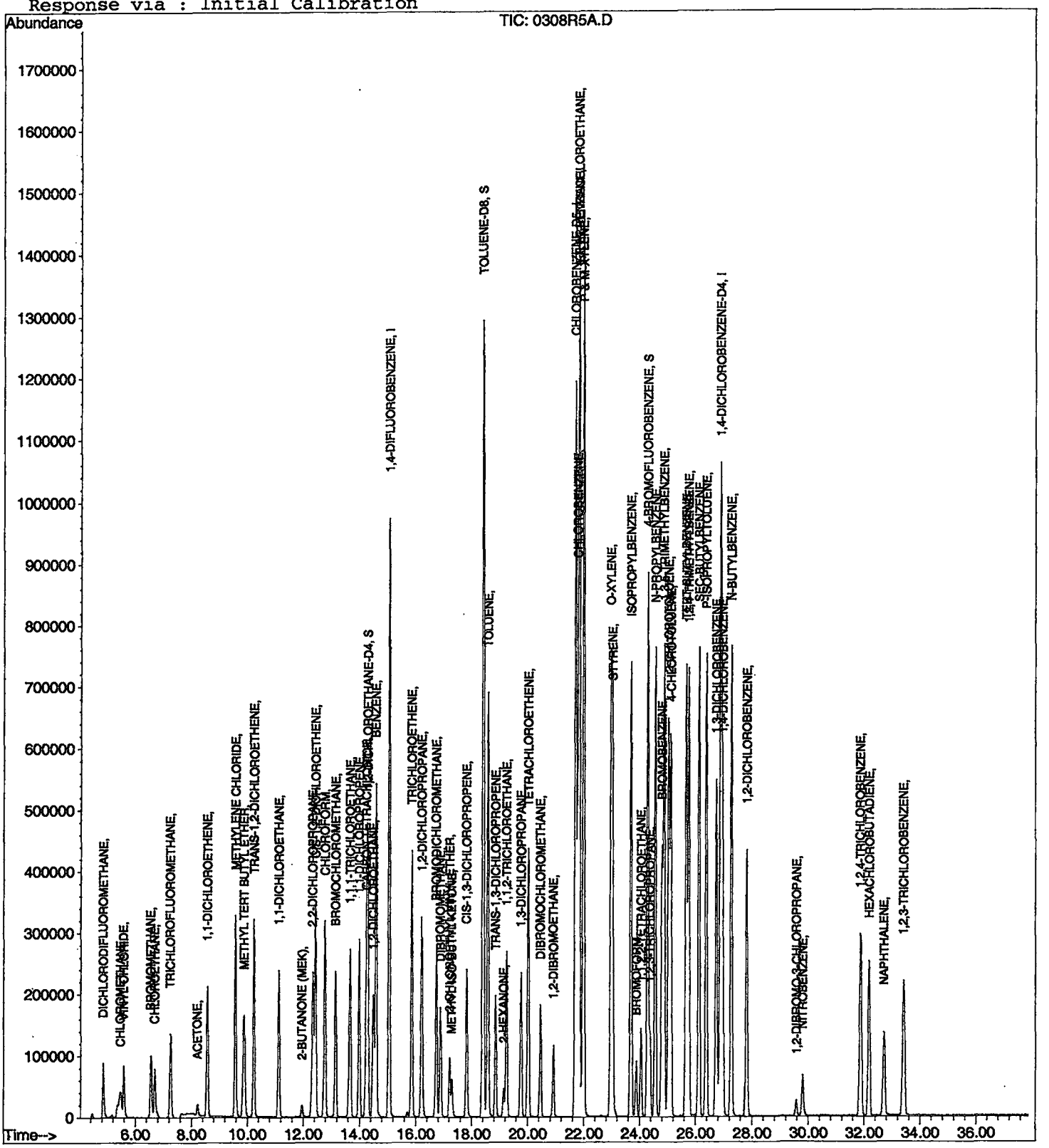
Quantitation Report

Data File : C:\HPCHEM\1\DATA\02mar08\0308R5A.D
Acq On : 8 Mar 2002 2:45 pm
Sample : ref 5
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 8 15:23 2002

Vial: 6
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: HP022702.RES

Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAR08\0308B2.D Vial: 8
Acq On : 8 Mar 2002 4:12 pm Operator: 201-wb
Sample : 1b Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 10 13:02 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	0.00	114	0	0.00	ug/L	-15.17
24) CHLOROBENZENE-D5	0.00	117	0	0.00	ug/L	-21.83
52) 1,4-DICHLOROBENZENE-D4	0.00	152	0	0.00	ug/L	-27.00
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

no IS/surr added

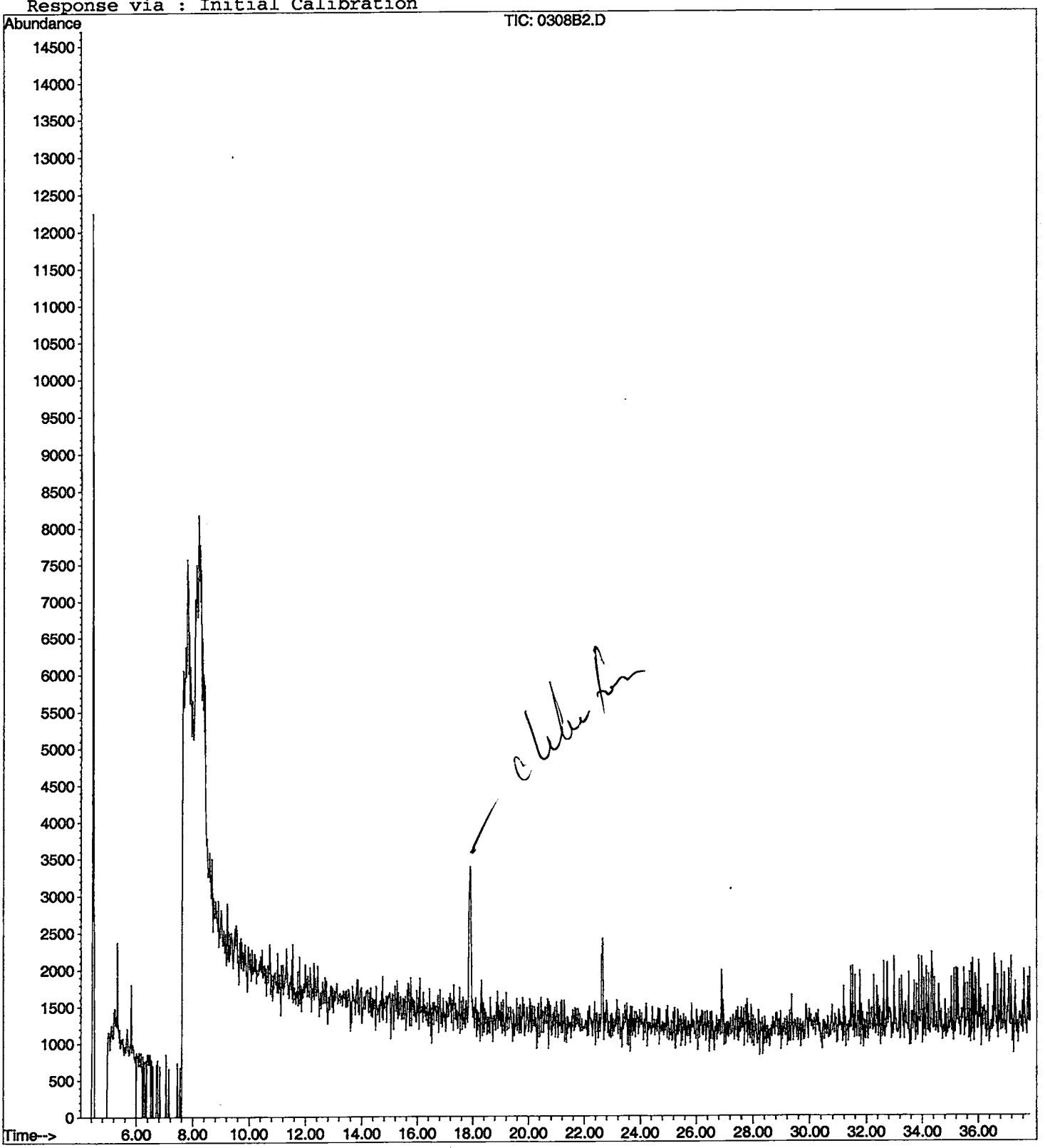
(#) = qualifier out of range (m) = manual integration
0308B2.D HP022702.M Sun Mar 10 13:02:28 2002 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02MAR08\0308B2.D
Acq On : 8 Mar 2002 4:12 pm
Sample : 1b
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 10 13:02 2002

Vial: 8
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP022702.RES

Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/10/2002 Time: 15:55:39

Sample: AE05174
Analysis: S524 Volatile Organic Compounds
Units: ug
Started: 3/8/02 00:06 Ended: 3/8/02 00:06 Analyst: BH
Result source: manual entry
Page: 1

	Component Name	Viol	Result	MDL
1	Surr - 1,2-DICHLOROETHANE-D		6.0	0.5
2	Surr - 4-BROMOFLUOROBENZE		3.9	0.5
3	Dichlorodifluoromethane		< MDL	0.5
4	Chloromethane		< MDL	0.5
5	Vinyl chloride		< MDL	0.5
6	Bromomethane		< MDL	0.5
7	Chloroethane		< MDL	0.5
8	Trichlorofluoromethane		< MDL	0.5
9	1,1-Dichloroethene		< MDL	0.5
10	Methylene Chloride		< MDL	0.5
11	Methyl tert-butyl ether (MTB		< MDL	1.0
12	trans-1,2-dichloroethene		< MDL	0.5
13	1,1-dichloroethane		< MDL	0.5
14	2-butanone (MEK)		< MDL	2.0
15	2,2-dichloropropane		< MDL	0.5
16	cis-1,2-dichloroethene		< MDL	0.5
17	*THM-Chloroform		29	0.5
18	Bromochloromethane		< MDL	0.5
19	1,2-dichloroethane		< MDL	0.5
20	Surr - TOLUENE-D8		5.4	0.5
21	1,1,1- trichloroethane		< MDL	0.5
22	1,1-dichloropropene		< MDL	0.5
23	Carbon tetrachloride		< MDL	0.5
24	Benzene		< MDL	0.5
25	Trichloroethene		< MDL	0.5
26	1,2-dichloropropane		< MDL	0.5
27	Dibromomethane		< MDL	0.5
28	*THM-Bromodichloromethar		7.0	0.5
29	Methyl iso-butyl ketone (MIB		< MDL	1.0
30	cis-1,3-dichloropropene		< MDL	0.5
31	Toluene		< MDL	0.5
32	trans-1,3-dichloropropene		< MDL	0.5
33	1,1,2-trichloroethane		< MDL	0.5
34	Tetrachloroethene		< MDL	0.5
35	1,3-dichloropropane		< MDL	0.5
36	*THM-Dibromochloromethar		< MDL	2.0
37	Chlorobenzene		< MDL	0.5
38	1,1,1,2-tetrachloroethane		< MDL	0.5
39	Ethylbenzene		< MDL	0.5
40	P & M-xylene		< MDL	0.5
41	O-xylene		< MDL	0.5
42	Styrene		< MDL	0.5
43	1,1,2,2-tetrachloroethane		< MDL	0.5
44	*THM-Bromoform		< MDL	2.0
45	Isopropylbenzene		< MDL	0.5
46	1,2,3-trichloropropane		< MDL	0.5
47	N-propylbenzene		< MDL	0.5

REVIEWED BY AV
DATE 3/15/02

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/10/2002 Time: 15:55:39

Sample: AE05174
Analysis: S524 Volatile Organic Compounds
Units: ug
Started: 3/8/02 00:06 Ended: 3/8/02 00:06 Analyst: BH
Result source: manual entry
Page: 2

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

Comments for Sample AE05174 - Analysis $524

Westchester Dept. of Labs & Research
User: Vannelli, Sandy
Date: 03-15-2002 Time: 10:27:46

The recovery of 2-butanone in the QC sample was 68%.
Dichloroacetonitrile is present as a 524.2 TIC. The estimated concentration is 0.08ug/L.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAR08\5174.D Vial: 11
Acq On : 8 Mar 2002 6:21 pm Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 10 13:08 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.05	114	1170549	5.00 ug/L	-0.12
24) CHLOROBENZENE-D5	21.69	117	1102409	5.00 ug/L	-0.14
52) 1,4-DICHLOROBENZENE-D4	26.87	152	472753	5.00 ug/L	-0.14
System Monitoring Compounds					
2) 1,2-DICHLOROETHANE-D4	14.29	65	452915	5.98 ug/L	-0.12
Spiked Amount 5.000			Recovery	= 119.60%	
3) 4-BROMOFLUOROBENZENE	24.28	174	372226	3.93 ug/L	-0.14
Spiked Amount 5.000			Recovery	= 78.60%	
25) TOLUENE-D8	18.39	98	1422470	5.35 ug/L	-0.14
Spiked Amount 5.000			Recovery	= 107.00%	
Target Compounds					Qvalue
12) ACETONE	8.21	43	44333	7.40 ug/L	100
14) METHYLENE CHLORIDE	9.55	49	55628	0.93 ug/L	92
21) CHLOROFORM 29	12.75	83	2617631	29.20 ug/L	99
33) BROMODICHLOROMETHANE 7.0	16.72	83	418439	7.03 ug/L	100
42) DIBROMOCHLOROMETHANE .72	20.45	129	26658	0.72 ug/L	99

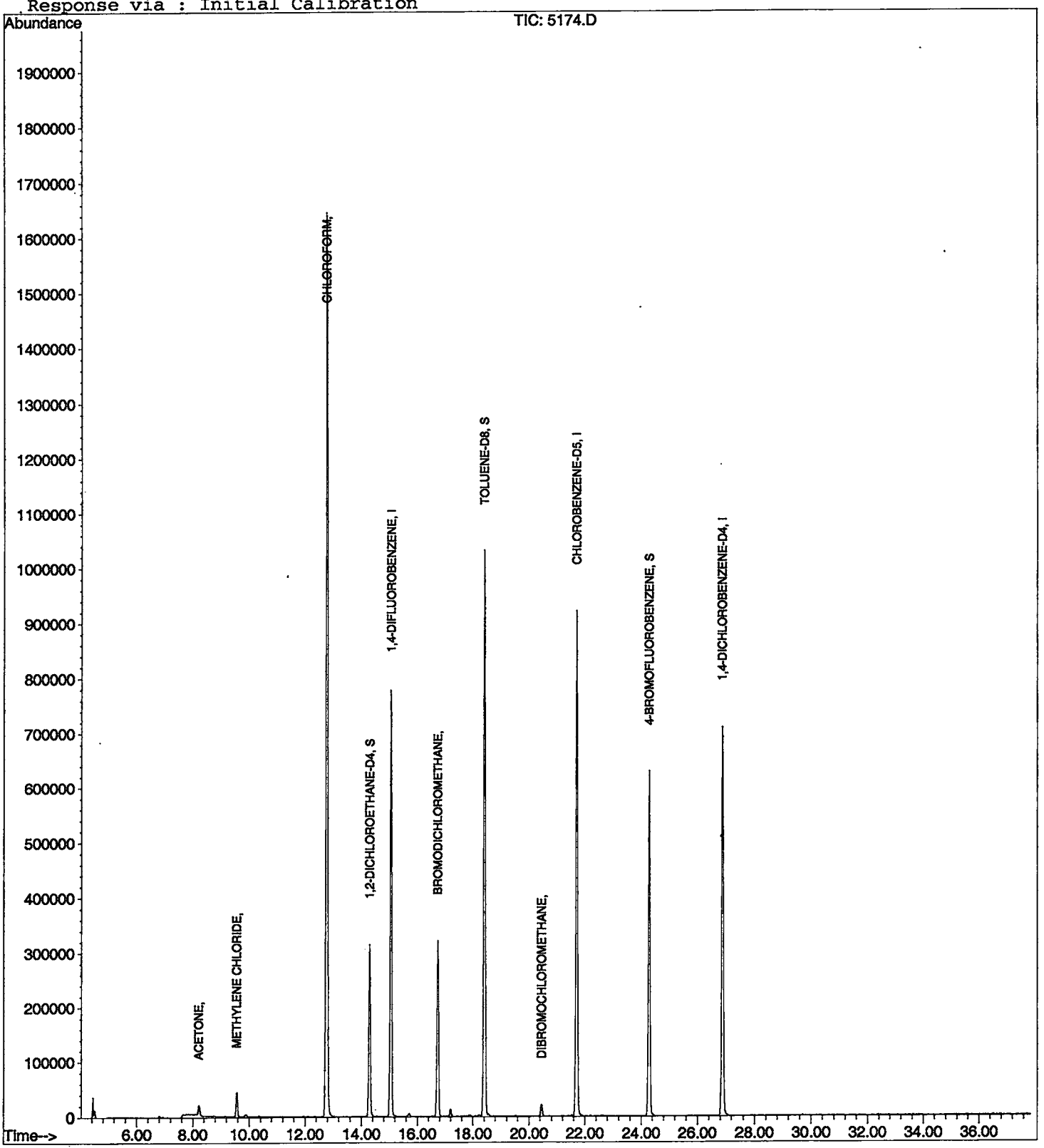
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02MAR08\5174.D
Acq On : 8 Mar 2002 6:21 pm
Sample : nyc
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 10 13:08 2002

Vial: 11
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP022702.RES

Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAR08\5174.D Vial: 11
Acq On : 8 Mar 2002 6:21 pm Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

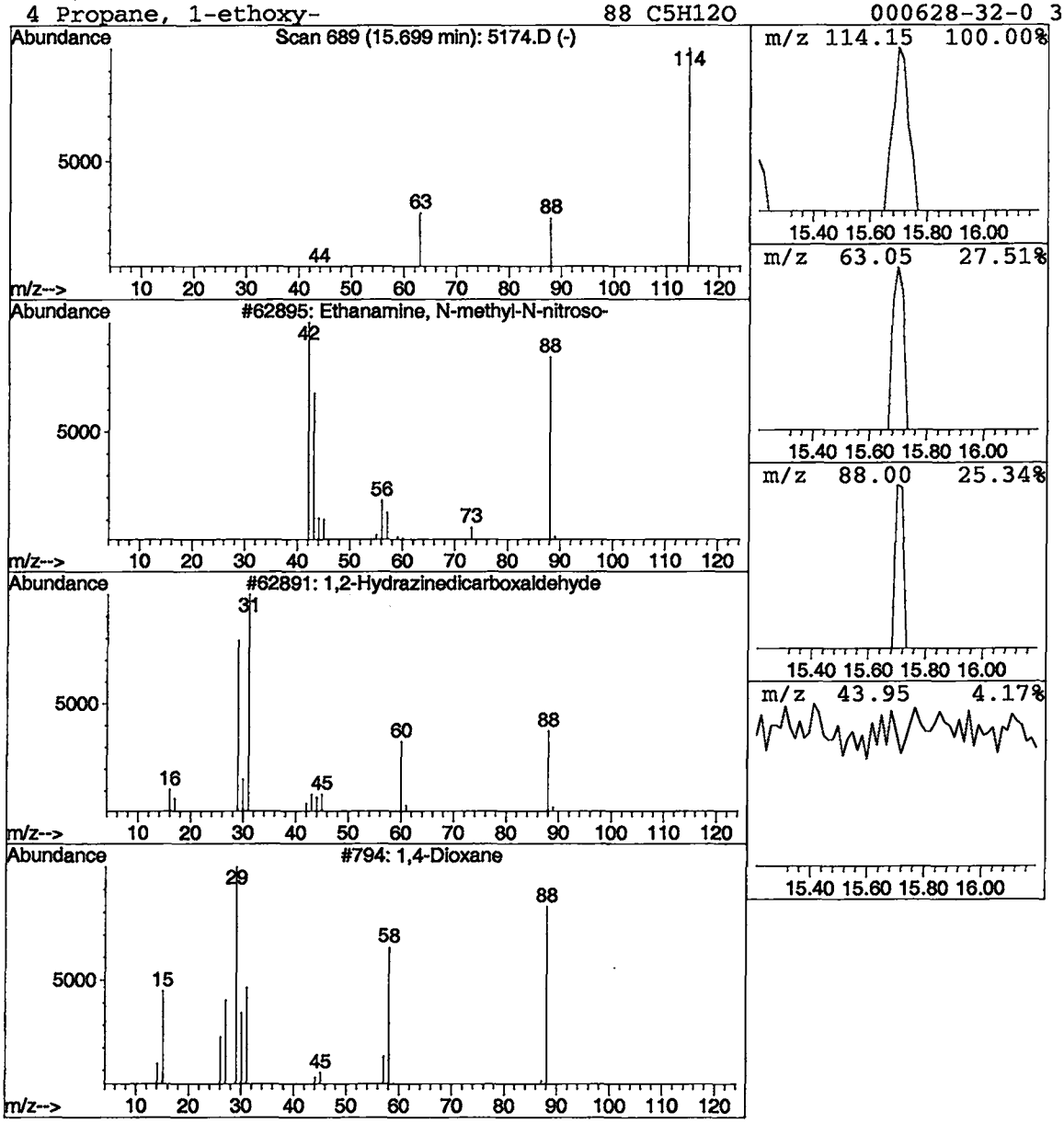
Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Ethanamine, N-methyl-N-nitroso Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.70	0.03 ug/L	18508	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	1,2-Hydrazinedicarboxaldehyde	88	C2H4N2O2	000628-36-4	3
3	1,4-Dioxane	88	C4H8O2	000123-91-1	3
4	Propane, 1-ethoxy-	88	C5H12O	000628-32-0	3



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAR08\5174.D Vial: 11
Acq On : 8 Mar 2002 6:21 pm Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

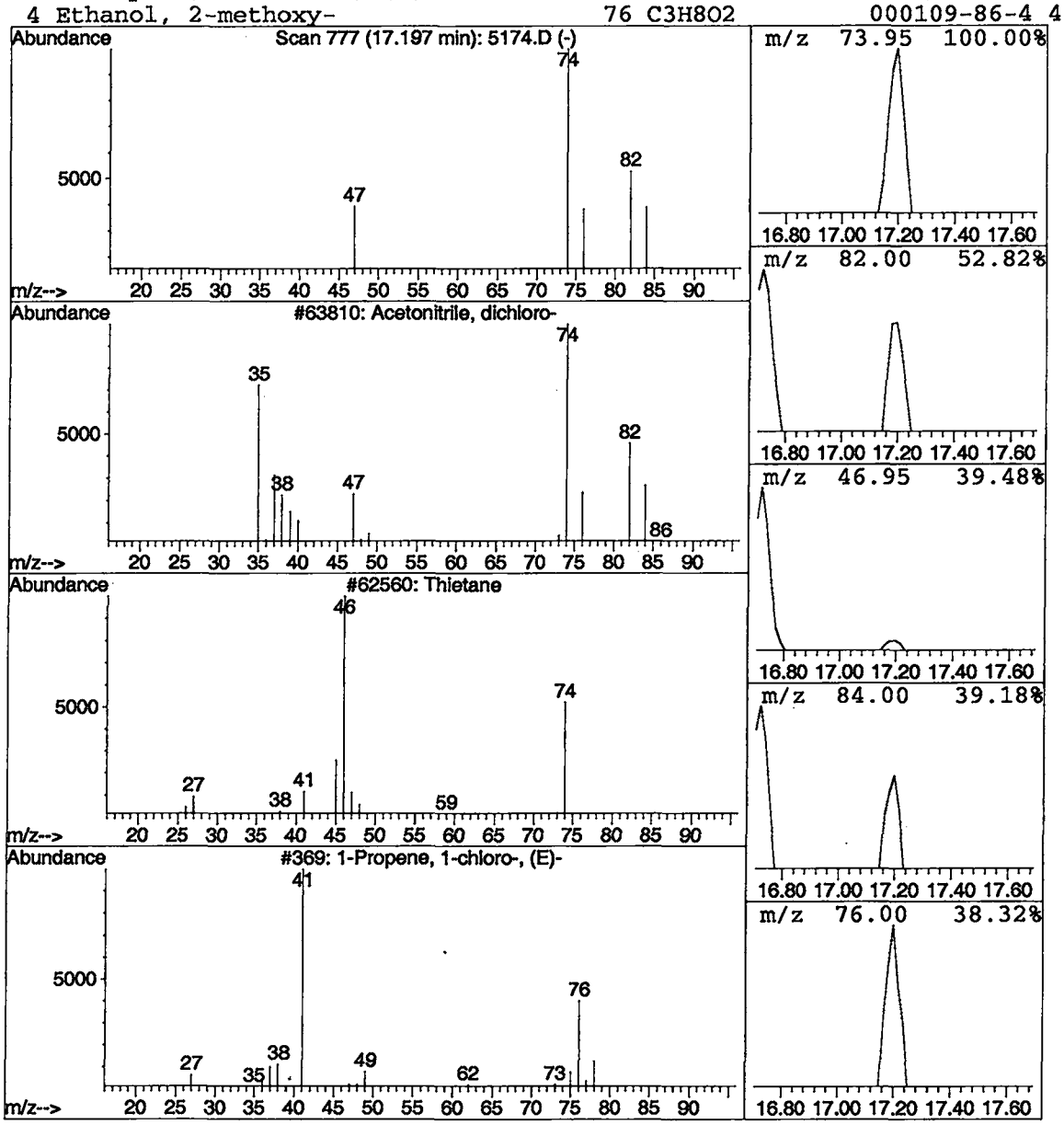
Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Acetonitrile, dichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	0.08 ug/L	45117	1,4-DIFLUOROBENZENE	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	28
2	Thietane	74	C3H6S	000287-27-4	4
3	1-Propene, 1-chloro-, (E)-	76	C3H5Cl	016136-85-9	4
4	Ethanol, 2-methoxy-	76	C3H8O2	000109-86-4	4



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/10/2002 Time: 15:44:36

Sample: AE05175
Analysis: S524 Volatile Organic Compounds
Units: ug
Started: 3/8/02 00:07 Ended: 3/8/02 00:07 Analyst: BH
Result source: a:\5175.rr
Page: 1

	Component Name	Viol	Result	MDL
1	Surr - 1,2-DICHLOROETHANE-D		5.8	0.5
2	Surr - 4-BROMOFLUOROBENZE		4.1	0.5
3	Dichlorodifluoromethane		< MDL	0.5
4	Chloromethane		< MDL	0.5
5	Vinyl chloride		< MDL	0.5
6	Bromomethane		< MDL	0.5
7	Chloroethane		< MDL	0.5
8	Trichlorofluoromethane		< MDL	0.5
9	1,1-Dichloroethene		< MDL	0.5
10	Methylene Chloride		< MDL	0.5
11	Methyl tert-butyl ether (MTB		< MDL	1.0
12	trans-1,2-dichloroethene		< MDL	0.5
13	1,1-dichloroethane		< MDL	0.5
14	2-butanone (MEK)		< MDL	2.0
15	2,2-dichloropropane		< MDL	0.5
16	cis-1,2-dichloroethene		< MDL	0.5
17	*THM-Chloroform		18	0.5
18	Bromochloromethane		< MDL	0.5
19	1,2-dichloroethane		< MDL	0.5
20	Surr - TOLUENE-D8		5.3	0.5
21	1,1,1- trichloroethane		< MDL	0.5
22	1,1-dichloropropene		< MDL	0.5
23	Carbon tetrachloride		< MDL	0.5
24	Benzene		< MDL	0.5
25	Trichloroethene		< MDL	0.5
26	1,2-dichloropropane		< MDL	0.5
27	Dibromomethane		< MDL	0.5
28	*THM-Bromodichloromethar		3.7	0.5
29	Methyl iso-butyl ketone (MIB		< MDL	1.0
30	cis-1,3-dichloropropene		< MDL	0.5
31	Toluene		< MDL	0.5
32	trans-1,3-dichloropropene		< MDL	0.5
33	1,1,2-trichloroethane		< MDL	0.5
34	Tetrachloroethene		< MDL	0.5
35	1,3-dichloropropane		< MDL	0.5
36	*THM-Dibromochloromethar		< MDL	2.0
37	Chlorobenzene		< MDL	0.5
38	1,1,1,2-tetrachloroethane		< MDL	0.5
39	Ethylbenzene		< MDL	0.5
40	P & M-xylene		< MDL	0.5
41	O-xylene		< MDL	0.5
42	Styrene		< MDL	0.5
43	1,1,2,2-tetrachloroethane		< MDL	0.5
44	*THM-Bromoform		< MDL	2.0
45	Isopropylbenzene		< MDL	0.5
46	1,2,3-trichloropropane		< MDL	0.5
47	N-propylbenzene		< MDL	0.5

REVIEWED BY AV
DATE 3/15/02

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/10/2002 Time: 15:44:36

Sample: AE05175
Analysis: S524 Volatile Organic Compounds
Units: ug
Started: 3/8/02 00:07 Ended: 3/8/02 00:07 Analyst: BH
Result source: a:\5175.rr
Page: 2

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

Comments for Sample AE05175 - Analysis $524

Westchester Dept. of Labs & Research
User: Vannelli, Sandy
Date: 03-15-2002 Time: 10:28:30

The recovery of 2-butanone in the QC sample was 68%.
Dichloroacetonitrile is present as a 524.2 TIC. The estimated concentration is 0.04ug/L.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAR08\5175.D Vial: 12
Acq On : 8 Mar 2002 7:05 pm Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 10 13:09 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.05	114	1266203	5.00	ug/L	-0.12
24) CHLOROBENZENE-D5	21.69	117	1208049	5.00	ug/L	-0.14
52) 1,4-DICHLOROBENZENE-D4	26.88	152	529916	5.00	ug/L	-0.12
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.29	65	478061	5.84	ug/L	-0.12
Spiked Amount 5.000			Recovery	= 116.80%		
3) 4-BROMOFLUOROBENZENE	24.28	174	417530	4.07	ug/L	-0.14
Spiked Amount 5.000			Recovery	= 81.40%		
25) TOLUENE-D8	18.41	98	1546331	5.31	ug/L	-0.12
Spiked Amount 5.000			Recovery	= 106.20%		
Target Compounds						Qvalue
12) ACETONE	8.22	43	93636	14.45	ug/L	99
14) METHYLENE CHLORIDE	9.57	49	59147	0.91	ug/L	98
21) CHLOROFORM 18	12.77	83	1716900	17.70	ug/L	99
33) BROMODICHLOROMETHANE 3.7	16.72	83	242808	3.72	ug/L	96
42) DIBROMOCHLOROMETHANE 32	20.47	129	13116	0.32	ug/L	97

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

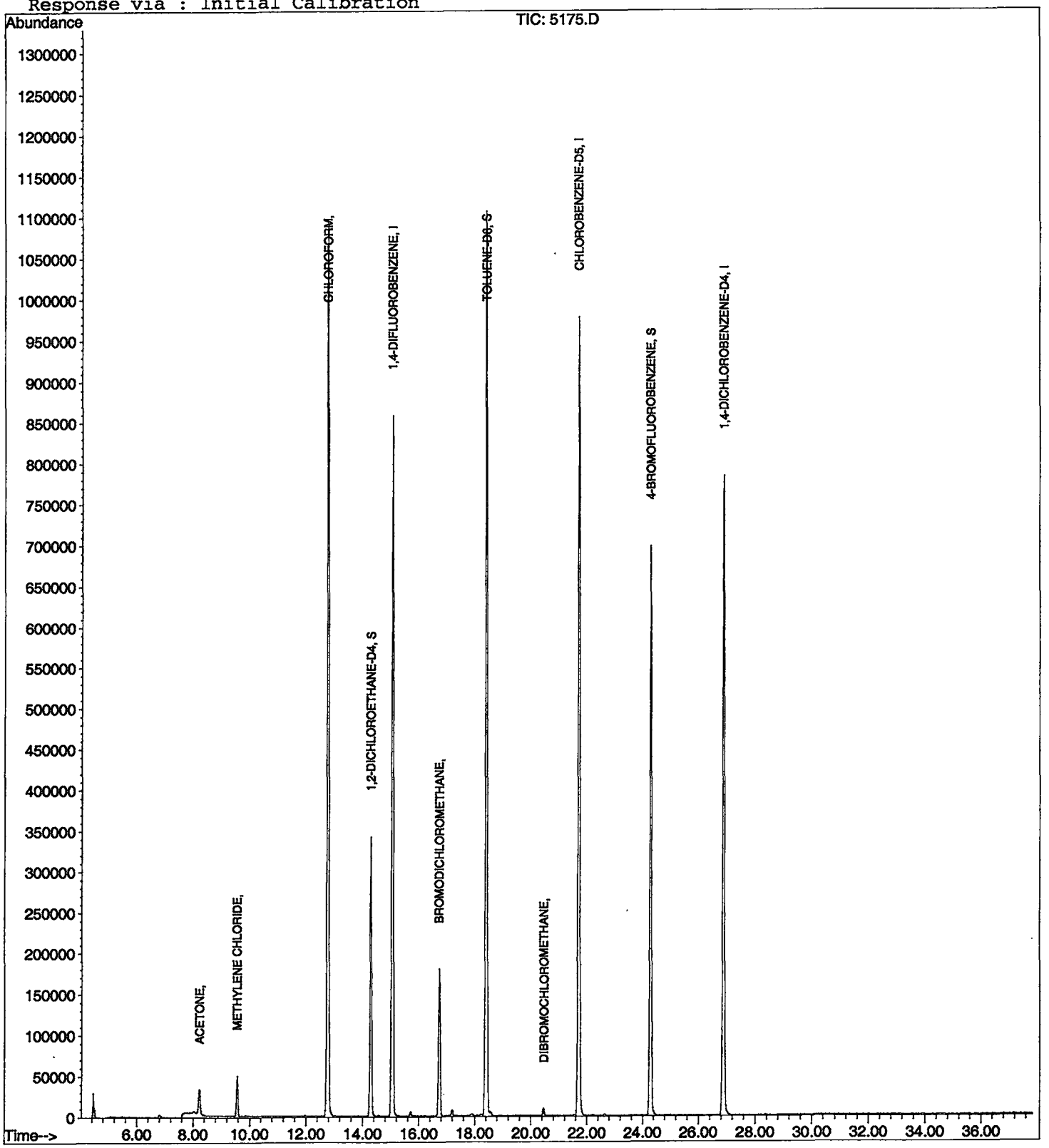
Quantitation Report

Data File : C:\HPCHEM\1\DATA\02MAR08\5175.D
Acq On : 8 Mar 2002 7:05 pm
Sample : nyc
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 10 13:09 2002

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

Quant Results File: HP022702.RES

Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAR08\5175.D Vial: 12
Acq On : 8 Mar 2002 7:05 pm Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

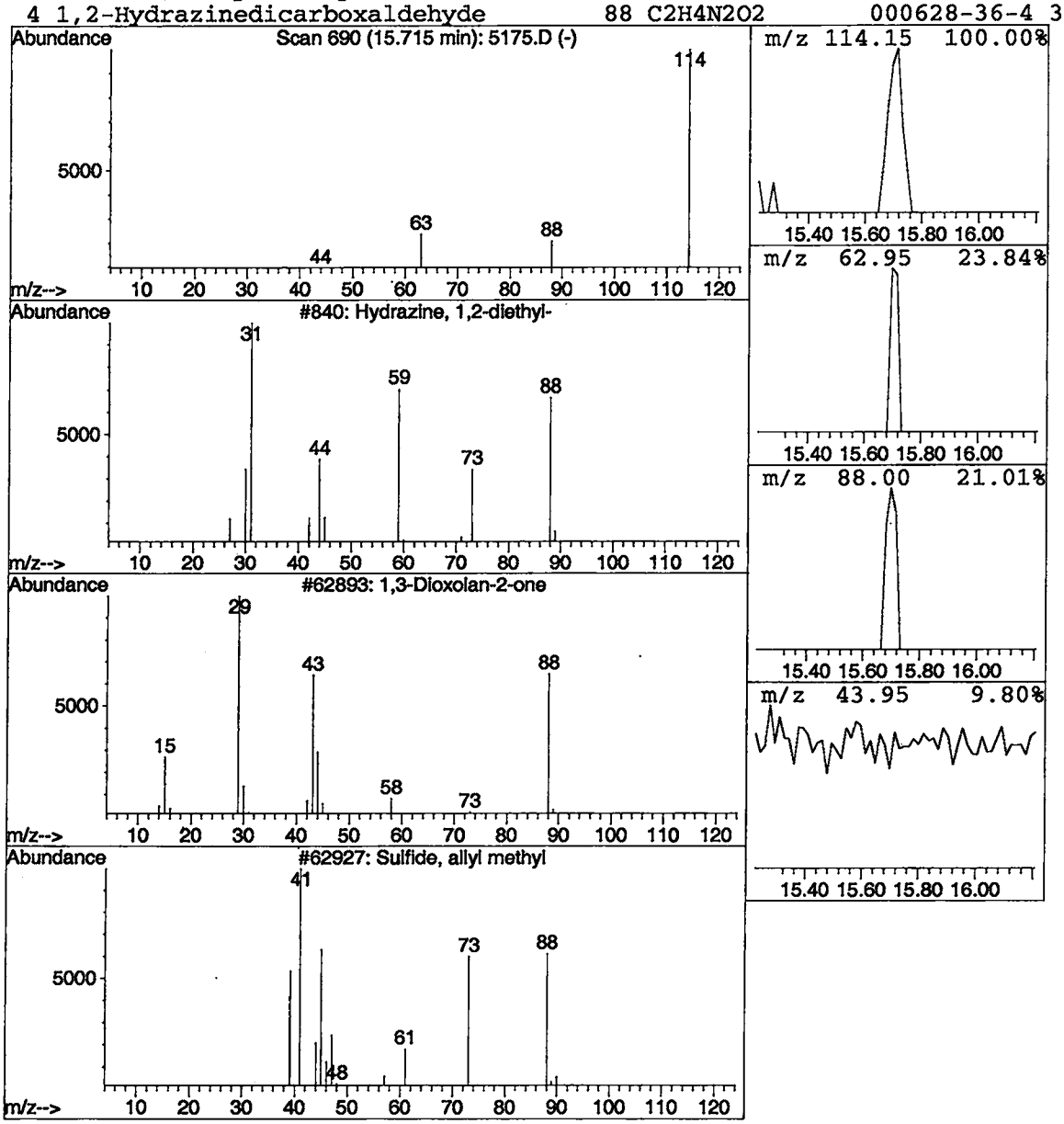
Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	0.03 ug/L	18898	1,4-DIFLUOROBENZENE	15.05

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	Sulfide, allyl methyl	88	C4H8S	010152-76-8	3
4	1,2-Hydrazinedicarboxaldehyde	88	C2H4N2O2	000628-36-4	3



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAR08\5175.D Vial: 12
Acq On : 8 Mar 2002 7:05 pm Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

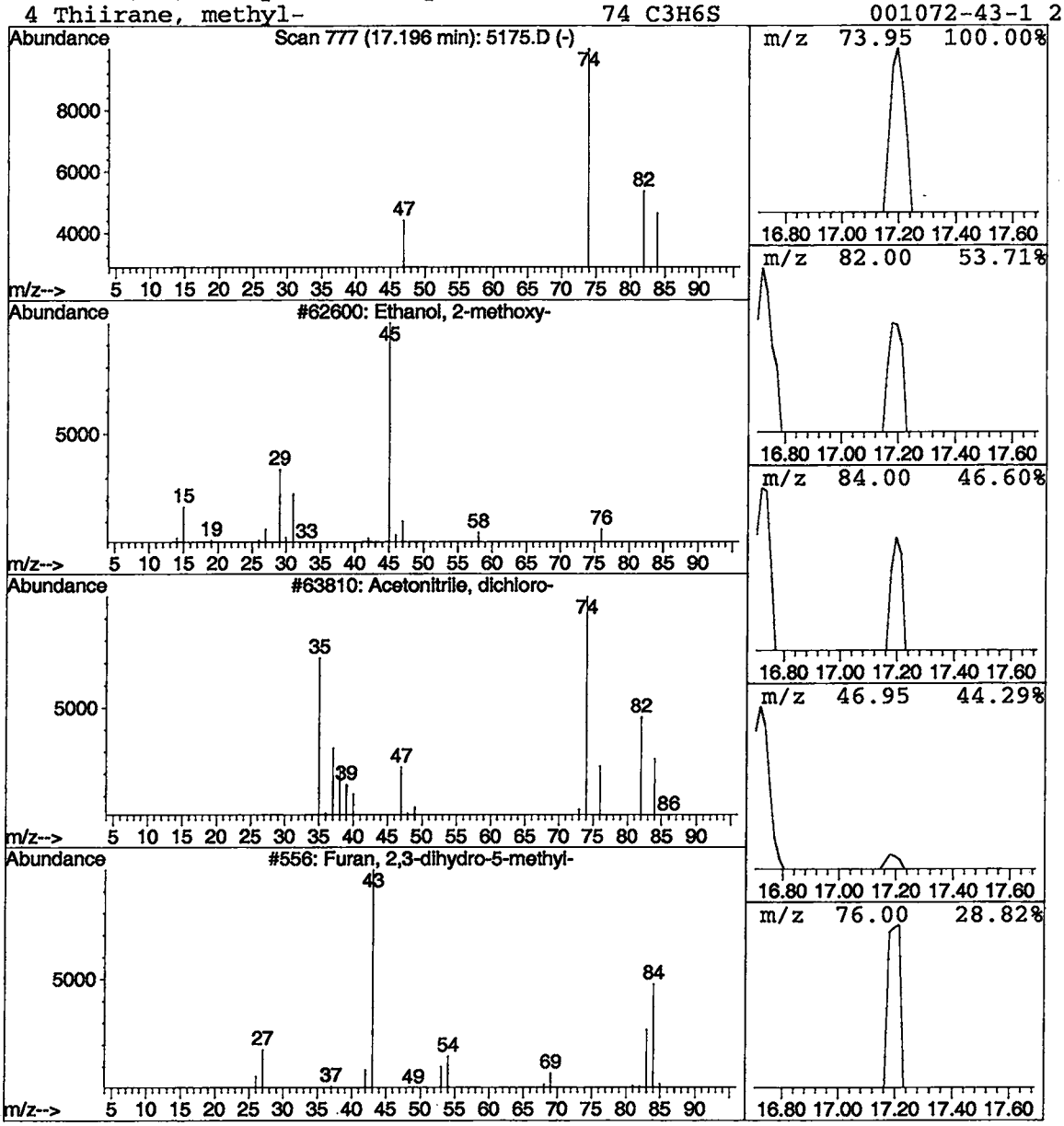
Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Ethanol, 2-methoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	0.04 ug/L	24964	1,4-DIFLUOROBENZENE	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-methoxy-	76	C3H8O2	000109-86-4	4
2	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	4
3	Furan, 2,3-dihydro-5-methyl-	84	C5H8O	001487-15-6	2
4	Thiirane, methyl-	74	C3H6S	001072-43-1	2



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/10/2002 Time: 15:55:58

Sample: AE05176
Analysis: S524 Volatile Organic Compounds
Units: ug
Started: 3/8/02 00:07 Ended: 3/8/02 00:07 Analyst: BH
Result source: a:\5176.rr
Page: 1

	Component Name	Vial	Result	MDL
1	Surr - 1,2-DICHLOROETHANE-D		6.0	0.5
2	Surr - 4-BROMOFLUOROBENZE		4.0	0.5
3	Dichlorodifluoromethane		< MDL	0.5
4	Chloromethane		< MDL	0.5
5	Vinyl chloride		< MDL	0.5
6	Bromomethane		< MDL	0.5
7	Chloroethane		< MDL	0.5
8	Trichlorofluoromethane		< MDL	0.5
9	1,1-Dichloroethene		< MDL	0.5
10	Methylene Chloride		< MDL	0.5
11	Methyl tert-butyl ether (MTB		< MDL	1.0
12	trans-1,2-dichloroethene		< MDL	0.5
13	1,1-dichloroethane		< MDL	0.5
14	2-butanone (MEK)		< MDL	2.0
15	2,2-dichloropropane		< MDL	0.5
16	cis-1,2-dichloroethene		< MDL	0.5
17	*THM-Chloroform		22	0.5
18	Bromochloromethane		< MDL	0.5
19	1,2-dichloroethane		< MDL	0.5
20	Surr - TOLUENE-D8		5.3	0.5
21	1,1,1- trichloroethane		< MDL	0.5
22	1,1-dichloropropene		< MDL	0.5
23	Carbon tetrachloride		< MDL	0.5
24	Benzene		< MDL	0.5
25	Trichloroethene		< MDL	0.5
26	1,2-dichloropropane		< MDL	0.5
27	Dibromomethane		< MDL	0.5
28	*THM-Bromodichloromethar		4.4	0.5
29	Methyl iso-butyl ketone (MIB		< MDL	1.0
30	cis-1,3-dichloropropene		< MDL	0.5
31	Toluene		< MDL	0.5
32	trans-1,3-dichloropropene		< MDL	0.5
33	1,1,2-trichloroethane		< MDL	0.5
34	Tetrachloroethene		< MDL	0.5
35	1,3-dichloropropane		< MDL	0.5
36	*THM-Dibromochloromethar		< MDL	2.0
37	Chlorobenzene		< MDL	0.5
38	1,1,1,2-tetrachloroethane		< MDL	0.5
39	Ethylbenzene		< MDL	0.5
40	P & M-xylene		< MDL	0.5
41	O-xylene		< MDL	0.5
42	Styrene		< MDL	0.5
43	1,1,2,2-tetrachloroethane		< MDL	0.5
44	*THM-Bromoform		< MDL	2.0
45	Isopropylbenzene		< MDL	0.5
46	1,2,3-trichloropropane		< MDL	0.5
47	N-propylbenzene		< MDL	0.5

REVIEWED BY _____
DATE 3/15/02

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/10/2002 Time: 15:55:58

Sample: AE05176
Analysis: S524 Volatile Organic Compounds
Units: ug
Started: 3/8/02 00:07 Ended: 3/8/02 00:07 Analyst: BH
Result source: a:\5176.rr
Page: 2

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

Comments for Sample AE05176 - Analysis $524

Westchester Dept. of Labs & Research
User: Vannelli, Sandy
Date: 03-15-2002 Time: 10:30:07

The recovery of 2-butanone in the QC sample was 68%.
Dichloroacetonitrile is present as a 524.2 TIC. The estimated concentration is 0.05ug/L.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAR08\5176.D Vial: 13
Acq On : 8 Mar 2002 7:48 pm Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 10 13:11 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.05	114	1157215	5.00	ug/L	-0.12
24) CHLOROBENZENE-D5	21.69	117	1086014	5.00	ug/L	-0.14
52) 1,4-DICHLOROBENZENE-D4	26.88	152	473328	5.00	ug/L	-0.12
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.29	65	446947	5.97	ug/L	-0.12
Spiked Amount 5.000			Recovery	= 119.40%		
3) 4-BROMOFLUOROBENZENE	24.28	174	373440	3.99	ug/L	-0.14
Spiked Amount 5.000			Recovery	= 79.80%		
25) TOLUENE-D8	18.41	98	1400599	5.35	ug/L	-0.12
Spiked Amount 5.000			Recovery	= 107.00%		
Target Compounds						Qvalue
12) ACETONE	8.21	43	63485	10.72	ug/L	98
14) METHYLENE CHLORIDE	9.57	49	53983	~~0.91 ug/L~~		96
21) CHLOROFORM 22	12.77	83	1971417	22.24	ug/L	99
33) BROMODICHLOROMETHANE 4.4	16.72	83	257789	4.40	ug/L	97
42) DIBROMOCHLOROMETHANE .39	20.47	129	14104	0.39	ug/L	90

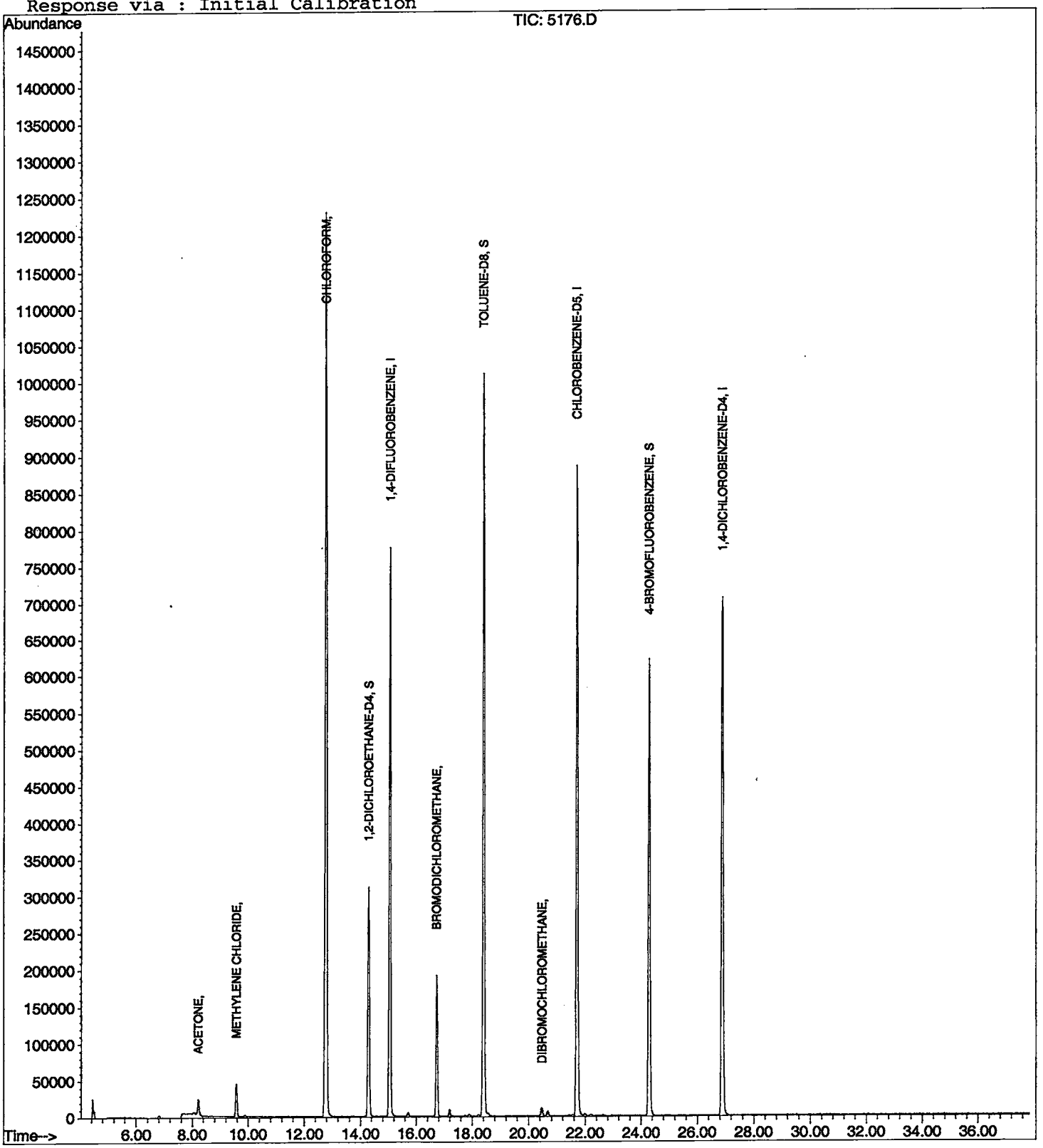
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02MAR08\5176.D
Acq On : 8 Mar 2002 7:48 pm
Sample : nyc
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 10 13:11 2002

Vial: 13
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP022702.RES

Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAR08\5176.D
Acq On : 8 Mar 2002 7:48 pm
Sample : nyc
Misc :
MS Integration Params: LSCINT.P

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

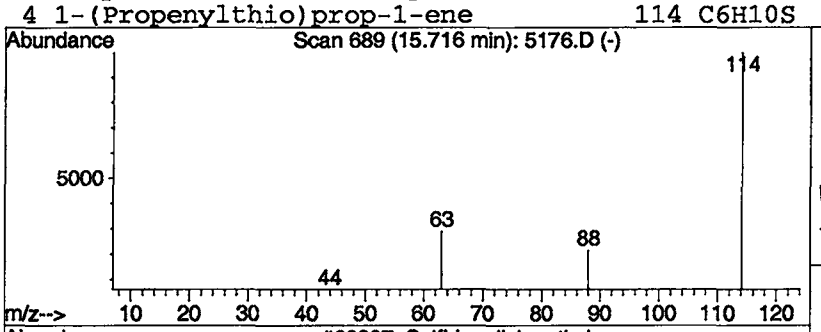
Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

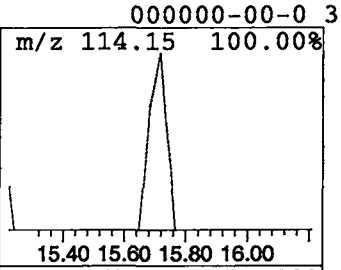
****

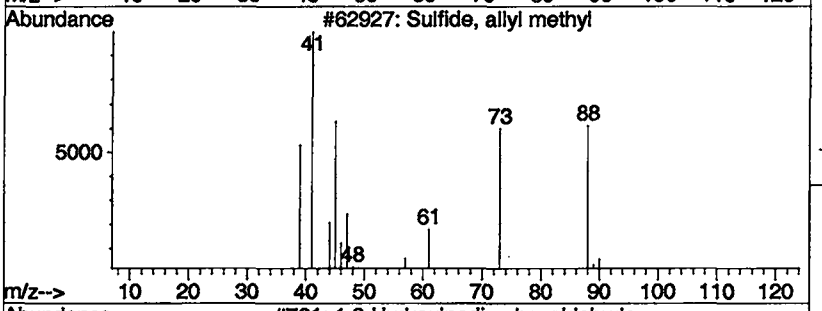
Peak Number 1 Sulfide, allyl methyl Concentration Rank 3

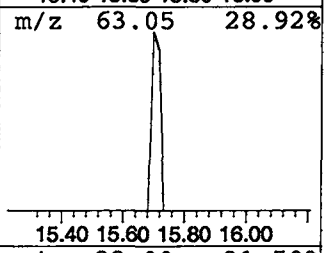
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	0.03 ug/L	17072	1,4-DIFLUOROBENZENE	15.05

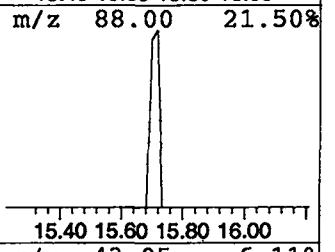
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfide, allyl methyl	88	C4H8S	010152-76-8	3
2	1,2-Hydrazinedicarboxaldehyde	88	C2H4N2O2	000628-36-4	3
3	Propanoic acid, 2-methyl-	88	C4H8O2	000079-31-2	3
4	1-(Propenylthio)prop-1-ene	114	C6H10S	000000-00-0	3

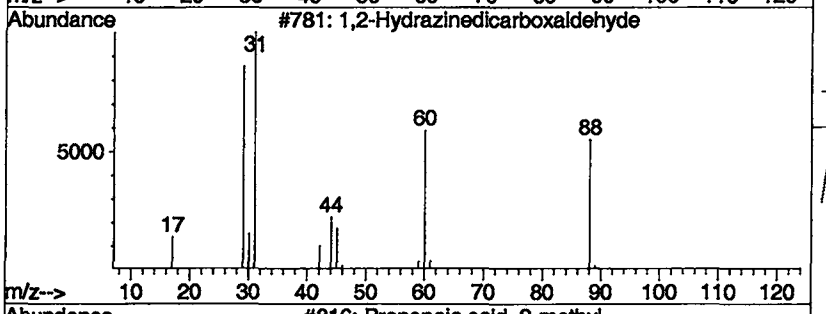


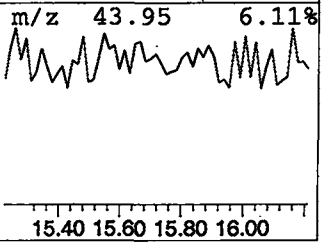


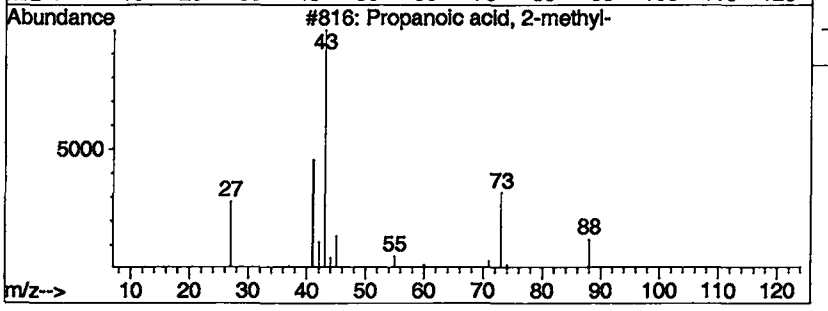












Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAR08\5176.D Vial: 13
Acq On : 8 Mar 2002 7:48 pm Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

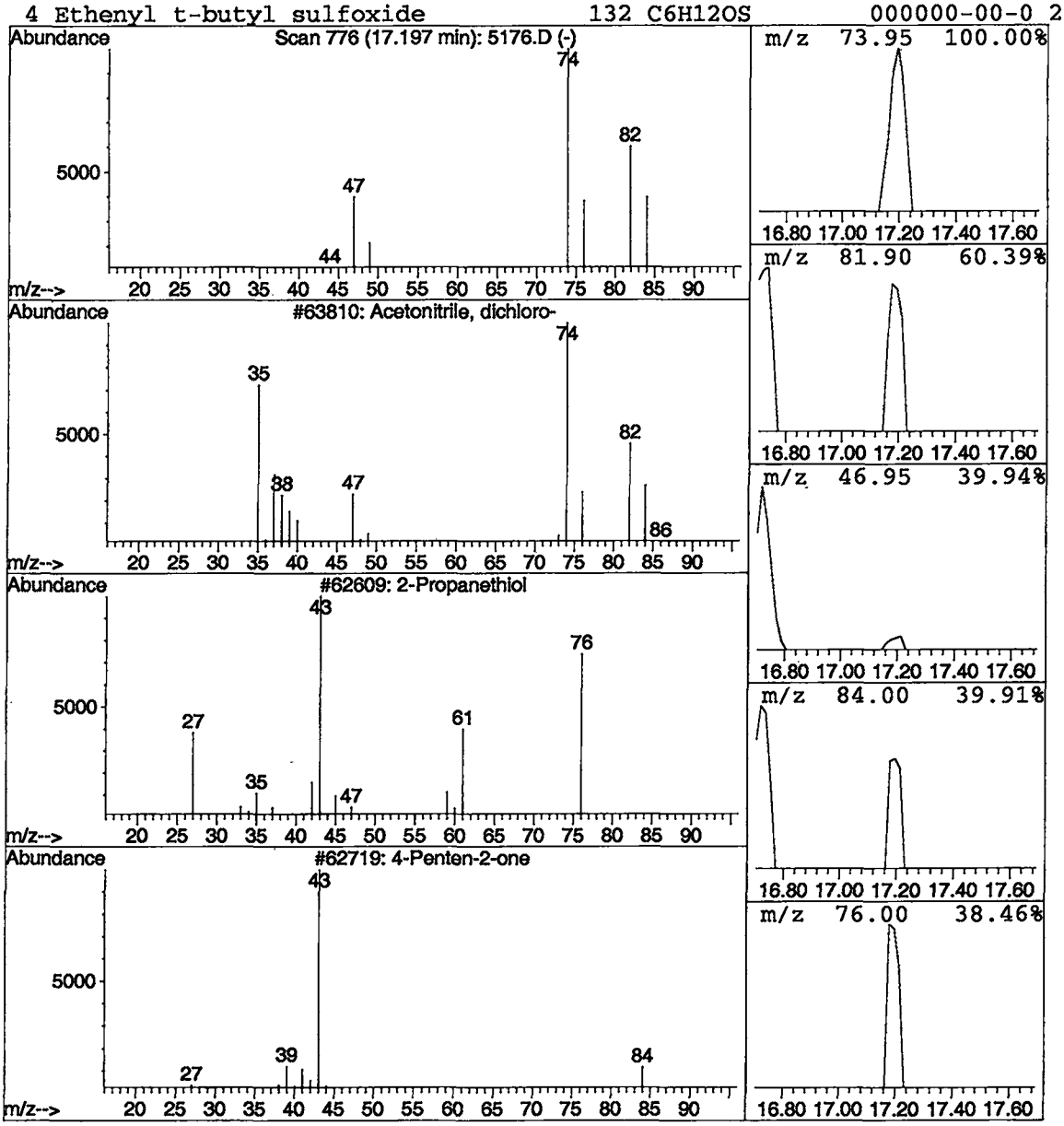
Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Acetonitrile, dichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	0.05 ug/L	31335	1,4-DIFLUOROBENZENE	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	28
2	2-Propanethiol	76	C3H8S	000075-33-2	3
3	4-Penten-2-one	84	C5H8O	013891-87-7	3
4	Ethenyl t-butyl sulfoxide	132	C6H12OS	000000-00-0	2



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAR08\5176.D Vial: 13
Acq On : 8 Mar 2002 7:48 pm Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

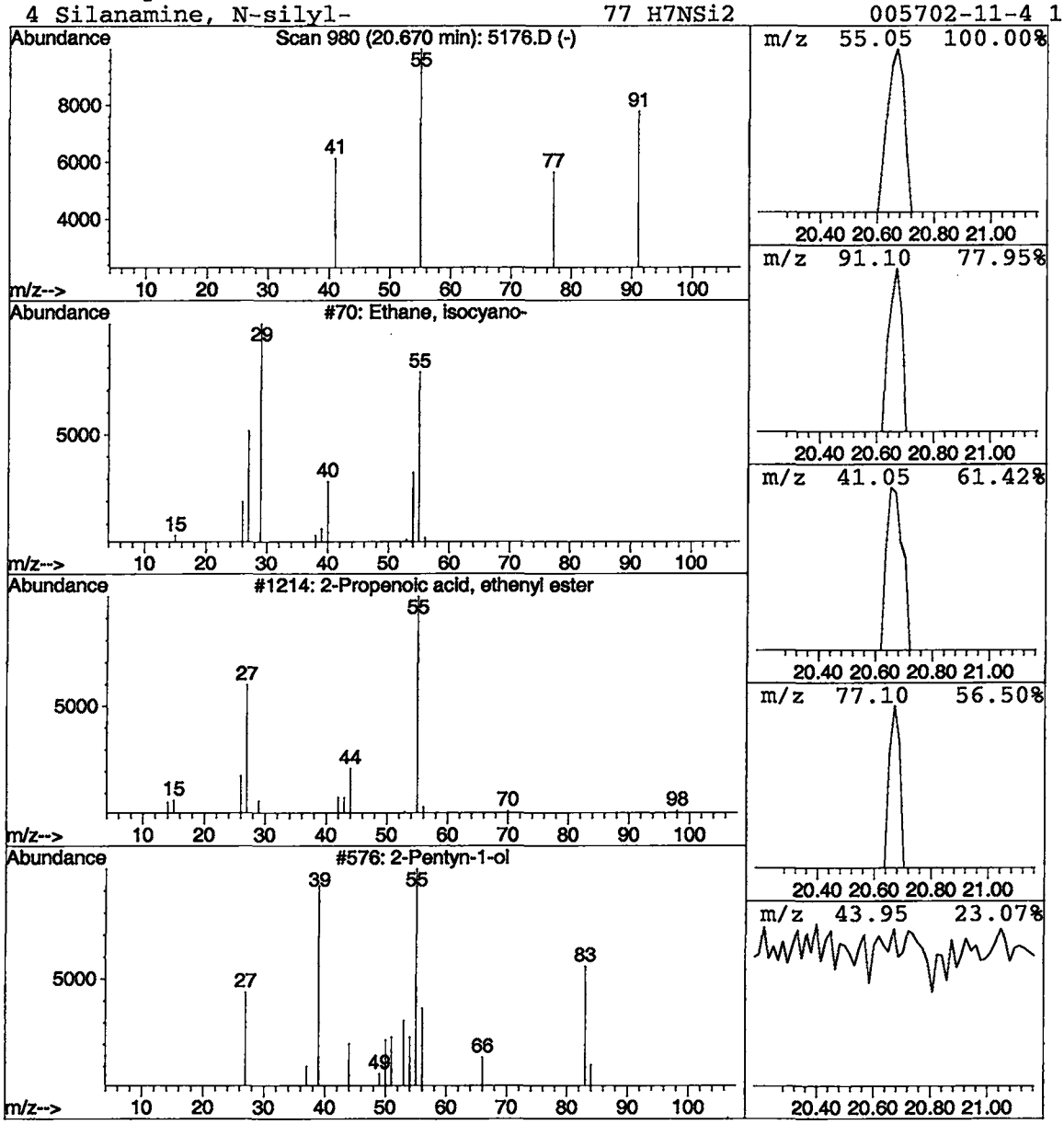
Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 Ethane, isocyano- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.67	0.04 ug/L	26026	CHLOROBENZENE-D5	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, isocyano-	55	C3H5N	000624-79-3	1
2	2-Propenoic acid, ethenyl ester	98	C5H6O2	002177-18-6	1
3	2-Pentyn-1-ol	84	C5H8O	006261-22-9	1
4	Silanamine, N-silyl-	77	H7NSi2	005702-11-4	1



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/10/2002 Time: 15:56:19

Sample: AE05177
Analysis: S524 Volatile Organic Compounds
Units: ug
Started: 3/8/02 00:08 Ended: 3/8/02 00:08 Analyst: BH
Result source: a:\5177.rr
Page: 1

	Component Name	Viol	Result	MDL
1	Surr - 1,2-DICHLOROETHANE-D		5.8	0.5
2	Surr - 4-BROMOFLUOROBENZE		4.0	0.5
3	Dichlorodifluoromethane		< MDL	0.5
4	Chloromethane		< MDL	0.5
5	Vinyl chloride		< MDL	0.5
6	Bromomethane		< MDL	0.5
7	Chloroethane		< MDL	0.5
8	Trichlorofluoromethane		< MDL	0.5
9	1,1-Dichloroethene		< MDL	0.5
10	Methylene Chloride		< MDL	0.5
11	Methyl tert-butyl ether (MTB		< MDL	1.0
12	trans-1,2-dichloroethene		< MDL	0.5
13	1,1-dichloroethane		< MDL	0.5
14	2-butanone (MEK)		< MDL	2.0
15	2,2-dichloropropane		< MDL	0.5
16	cis-1,2-dichloroethene		< MDL	0.5
17	*THM-Chloroform		21	0.5
18	Bromochloromethane		< MDL	0.5
19	1,2-dichloroethane		< MDL	0.5
20	Surr - TOLUENE-D8		5.3	0.5
21	1,1,1- trichloroethane		< MDL	0.5
22	1,1-dichloropropene		< MDL	0.5
23	Carbon tetrachloride		< MDL	0.5
24	Benzene		< MDL	0.5
25	Trichloroethene		< MDL	0.5
26	1,2-dichloropropane		< MDL	0.5
27	Dibromomethane		< MDL	0.5
28	*THM-Bromodichloromethar		7.2	0.5
29	Methyl iso-butyl ketone (MIB		< MDL	1.0
30	cis-1,3-dichloropropene		< MDL	0.5
31	Toluene		< MDL	0.5
32	trans-1,3-dichloropropene		< MDL	0.5
33	1,1,2-trichloroethane		< MDL	0.5
34	Tetrachloroethene		< MDL	0.5
35	1,3-dichloropropane		< MDL	0.5
36	*THM-Dibromochloromethar		< MDL	2.0
37	Chlorobenzene		< MDL	0.5
38	1,1,1,2-tetrachloroethane		< MDL	0.5
39	Ethylbenzene		< MDL	0.5
40	P & M-xylene		< MDL	0.5
41	O-xylene		< MDL	0.5
42	Styrene		< MDL	0.5
43	1,1,2,2-tetrachloroethane		< MDL	0.5
44	*THM-Bromoform		< MDL	2.0
45	Isopropylbenzene		< MDL	0.5
46	1,2,3-trichloropropane		< MDL	0.5
47	N-propylbenzene		< MDL	0.5

REVIEWED BY AV
DATE 3/15/02

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/10/2002 Time: 15:56:19

Sample: AE05177
Analysis: S524 Volatile Organic Compounds
Units: ug
Started: 3/8/02 00:08 Ended: 3/8/02 00:08 Analyst: BH
Result source: a:\5177.rr
Page: 2

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

Comments for Sample AE05177 - Analysis $524

Westchester Dept. of Labs & Research
User: Vannelli, Sandy
Date: 03-15-2002 Time: 10:42:24

The recovery of 2-butanone in the QC sample was 68%.
Dichloroacetonitrile is present as a 524.2 TIC. The estimated concentration is 0.06ug/L.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAR08\5177.D Vial: 14
Acq On : 8 Mar 2002 8:31 pm Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 10 13:12 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.05	114	1204263	5.00	ug/L	-0.12
24) CHLOROBENZENE-D5	21.69	117	1133268	5.00	ug/L	-0.14
52) 1,4-DICHLOROBENZENE-D4	26.88	152	495789	5.00	ug/L	-0.12
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.29	65	454751	5.84	ug/L	-0.12
Spiked Amount 5.000			Recovery	= 116.80%		
3) 4-BROMOFLUOROBENZENE	24.28	174	391692	4.02	ug/L	-0.14
Spiked Amount 5.000			Recovery	= 80.40%		
25) TOLUENE-D8	18.41	98	1458834	5.34	ug/L	-0.12
Spiked Amount 5.000			Recovery	= 106.80%		
Target Compounds						Qvalue
12) ACETONE	8.22	43	30591	4.96	ug/L	78
14) METHYLENE CHLORIDE	9.57	49	53963	~~0.87~~	~~ug/L~~	96
21) CHLOROFORM 21	12.77	83	1907102	20.68	ug/L	99
33) BROMODICHLOROMETHANE 7.2	16.72	83	441416	7.21	ug/L	98
42) DIBROMOCHLOROMETHANE .79	20.47	129	29920	0.79	ug/L	94

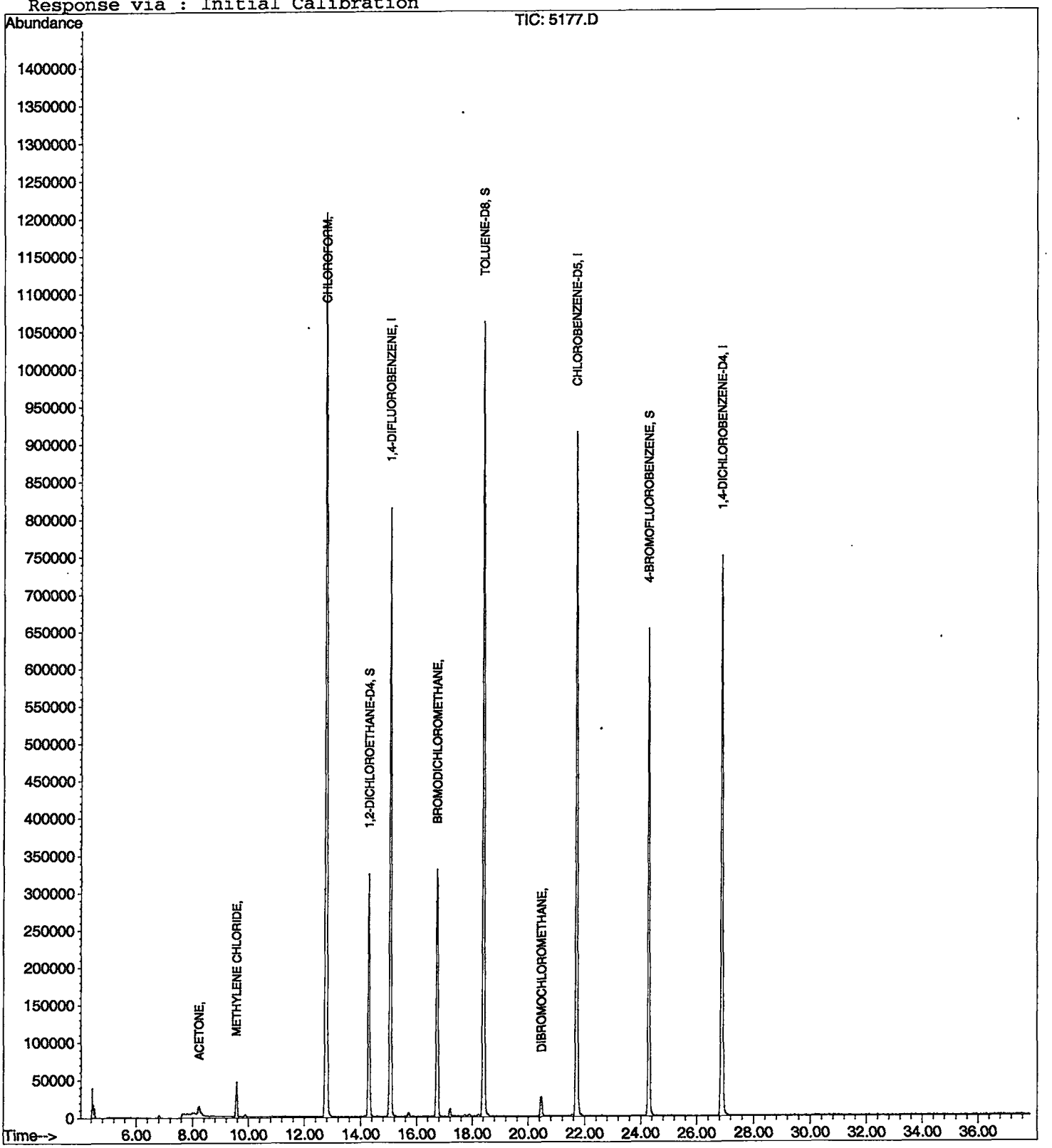
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02MAR08\5177.D
Acq On : 8 Mar 2002 8:31 pm
Sample : nyc
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 10 13:12 2002

Vial: 14
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP022702.RES

Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAR08\5177.D Vial: 14
Acq On : 8 Mar 2002 8:31 pm Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

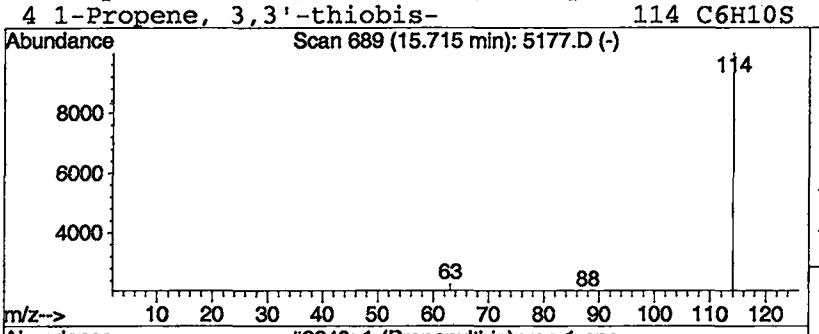
Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

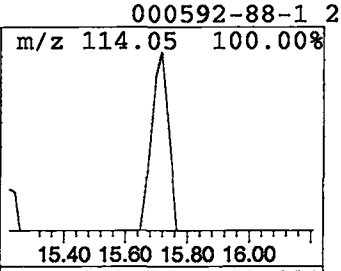
****

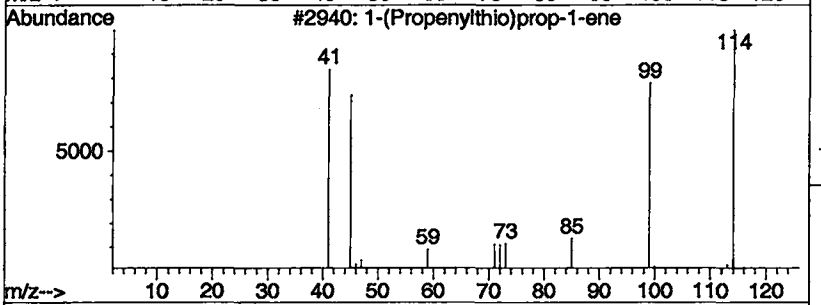
Peak Number 1 1-(Propenylthio)prop-1-ene Concentration Rank 2

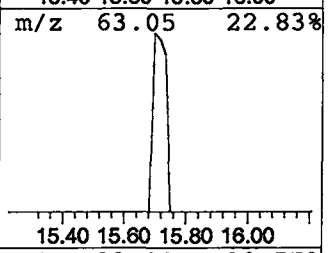
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	0.03 ug/L	18580	1,4-DIFLUOROBENZENE	15.05

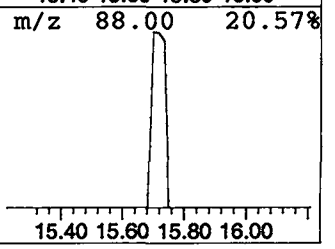
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(Propenylthio)prop-1-ene	114	C6H10S	000000-00-0	3
2	2,4-Imidazolidinedione, 3-methyl-	114	C4H6N2O2	006843-45-4	3
3	3-Cyclobutene-1,2-dione, 3,4-dihydr	114	C4H2O4	002892-51-5	2
4	1-Propene, 3,3'-thiobis-	114	C6H10S	000592-88-1	2

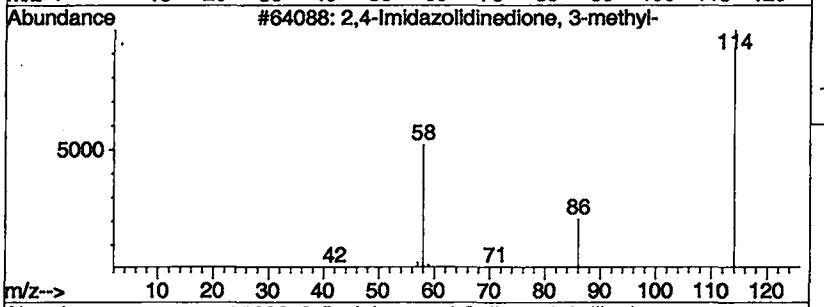


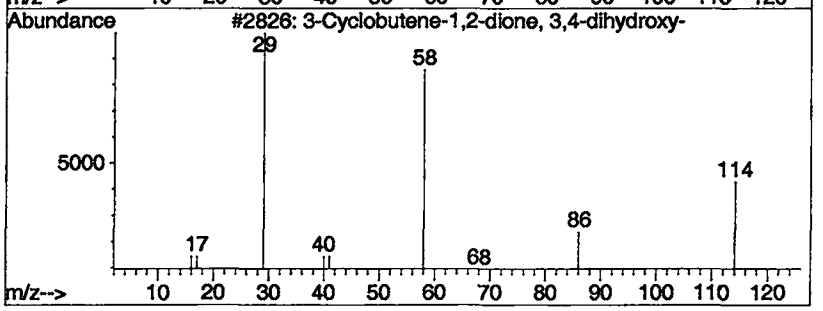












Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAR08\5177.D
Acq On : 8 Mar 2002 8:31 pm
Sample : nyc
Misc :
MS Integration Params: LSCINT.P

Vial: 14
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

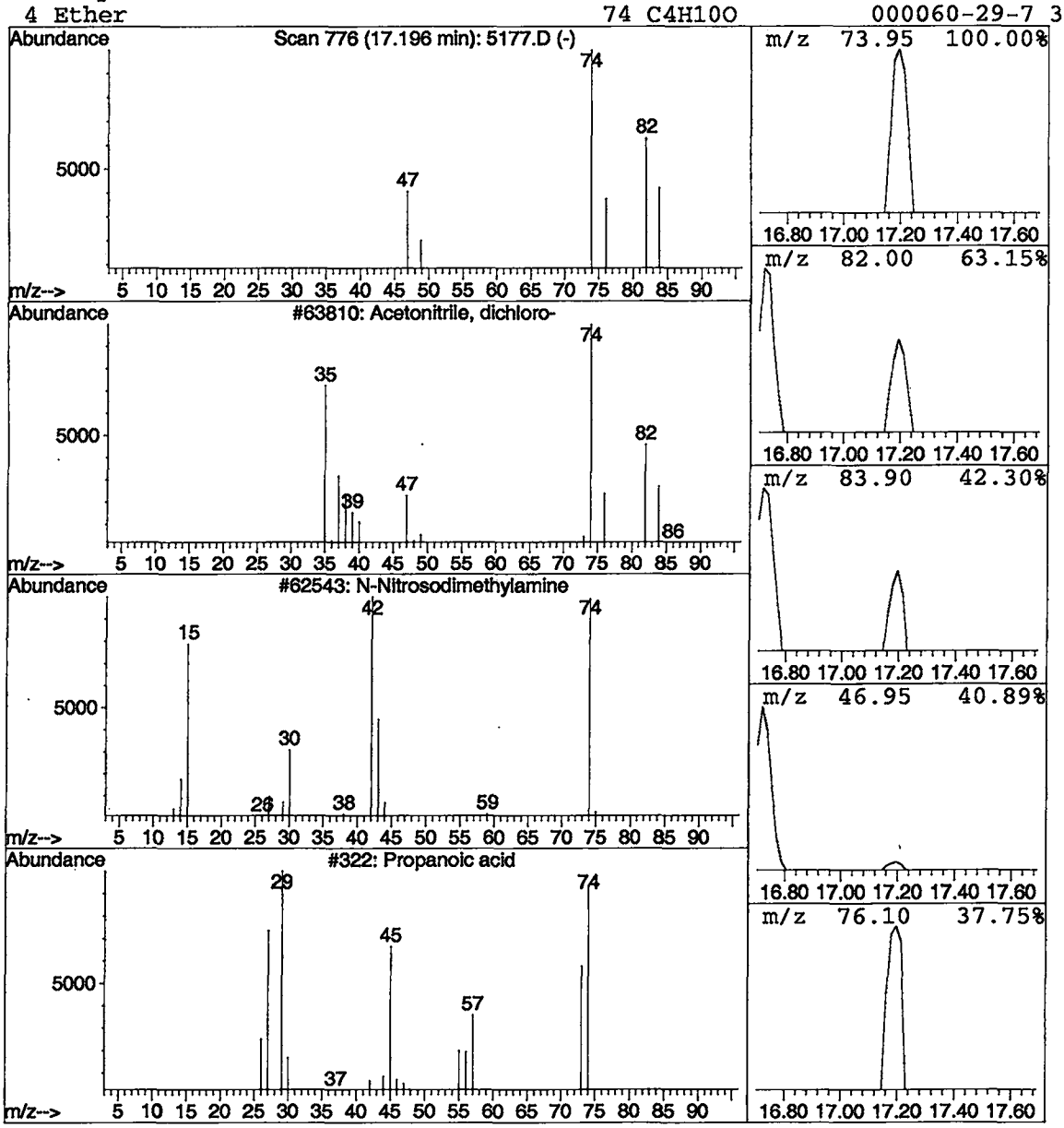
Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Acetonitrile, dichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	0.06 ug/L	35964	1,4-DIFLUOROBENZENE	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	10
2	N-Nitrosodimethylamine	74	C2H6N2O	000062-75-9	3
3	Propanoic acid	74	C3H6O2	000079-09-4	3
4	Ether	74	C4H10O	000060-29-7	3



User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 03/15/2002 Time: 10:43:04

Sample: AE05178
Analysis: $524 Volatile Organic Compounds
Units: ug
Started: 3/8/2002 00:09 Ended: 3/8/2002 00:09 Analyst: BH
Result source: manual entry
Page: 1

	Component Name	Viol	Result	MDL
1	Surr - 1,2-DICHLOROETHANE-D		6.0	0.5
2	Surr - 4-BROMOFLUOROBENZE		4.0	0.5
3	Dichlorodifluoromethane		< MDL	0.5
4	Chloromethane		< MDL	0.5
5	Vinyl chloride		< MDL	0.5
6	Bromomethane		< MDL	0.5
7	Chloroethane		< MDL	0.5
8	Trichlorofluoromethane		< MDL	0.5
9	1,1-Dichloroethene		< MDL	0.5
10	Methylene Chloride		< MDL	0.5
11	Methyl tert-butyl ether (MTBE)		< MDL	1.0
12	trans-1,2-dichloroethene		< MDL	0.5
13	1,1-dichloroethane		< MDL	0.5
14	2-butanone (MEK)		< MDL	2.0
15	2,2-dichloropropane		< MDL	0.5
16	cis-1,2-dichloroethene		< MDL	0.5
17	*THM-Chloroform		25	0.5
18	Bromochloromethane		< MDL	0.5
19	1,2-dichloroethane		< MDL	0.5
20	Surr - TOLUENE-D8		5.4	0.5
21	1,1,1- trichloroethane		< MDL	0.5
22	1,1-dichloropropene		< MDL	0.5
23	Carbon tetrachloride		< MDL	0.5
24	Benzene		< MDL	0.5
25	Trichloroethene		< MDL	0.5
26	1,2-dichloropropane		< MDL	0.5
27	Dibromomethane		< MDL	0.5
28	*THM-Bromodichloromethane		8.5	0.5
29	Methyl iso-butyl ketone (MIBK)		< MDL	1.0
30	cis-1,3-dichloropropene		< MDL	0.5
31	Toluene		< MDL	0.5
32	trans-1,3-dichloropropene		< MDL	0.5
33	1,1,2-trichloroethane		< MDL	0.5
34	Tetrachloroethene		< MDL	0.5
35	1,3-dichloropropane		< MDL	0.5
36	*THM-Dibromochloromethane		< MDL	2.0
37	Chlorobenzene		< MDL	0.5
38	1,1,1,2-tetrachloroethane		< MDL	0.5
39	Ethylbenzene		< MDL	0.5
40	P & M-xylene		< MDL	0.5
41	O-xylene		< MDL	0.5
42	Styrene		< MDL	0.5
43	1,1,2,2-tetrachloroethane		< MDL	0.5
44	*THM-Bromoform		< MDL	2.0
45	Isopropylbenzene		< MDL	0.5
46	1,2,3-trichloropropane		< MDL	0.5
47	N-propylbenzene		< MDL	0.5

REVIEWED BY AV
DATE 3/15/02

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 03/15/2002 Time: 10:43:04

Sample: AE05178
Analysis: $524 Volatile Organic Compounds
Units: ug
Started: 3/8/2002 00:09 Ended: 3/8/2002 00:09 Analyst: BH
Result source: manual entry
Page: 2

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

Comments for Sample AE05178 - Analysis $524

Westchester Dept. of Labs & Research
User: Vannelli, Sandy
Date: 03-15-2002 Time: 10:44:02

The recovery of 2-butanone in the QC sample was 68%.
Dichloroacetonitrile is present as a 524.2 TIC. The estimated concentration is 0.07ug/L.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAR08\5178.D Vial: 15
Acq On : 8 Mar 2002 9:14 pm Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 10 13:14 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.05	114	991553	5.00 ug/L	-0.12
24) CHLOROBENZENE-D5	21.69	117	946375	5.00 ug/L	-0.14
52) 1,4-DICHLOROBENZENE-D4	26.88	152	400284	5.00 ug/L	-0.12
System Monitoring Compounds					
2) 1,2-DICHLOROETHANE-D4	14.28	65	387917	6.05 ug/L	-0.12
Spiked Amount 5.000			Recovery	= 121.00%	
3) 4-BROMOFLUOROBENZENE	24.28	174	322694	4.02 ug/L	-0.14
Spiked Amount 5.000			Recovery	= 80.40%	
25) TOLUENE-D8	18.40	98	1223010	5.36 ug/L	-0.12
Spiked Amount 5.000			Recovery	= 107.20%	
Target Compounds					Qvalue
12) ACETONE	8.22	43	35384	6.97 ug/L	98
14) METHYLENE CHLORIDE	9.57	49	45555	~~0.90 ug/L~~	98
21) CHLOROFORM 25	12.77	83	1922957	25.32 ug/L	99
33) BROMODICHLOROMETHANE 8.5	16.72	83	434255	8.50 ug/L	98
42) DIBROMOCHLOROMETHANE 1.0	20.45	129	32318	1.02 ug/L	91

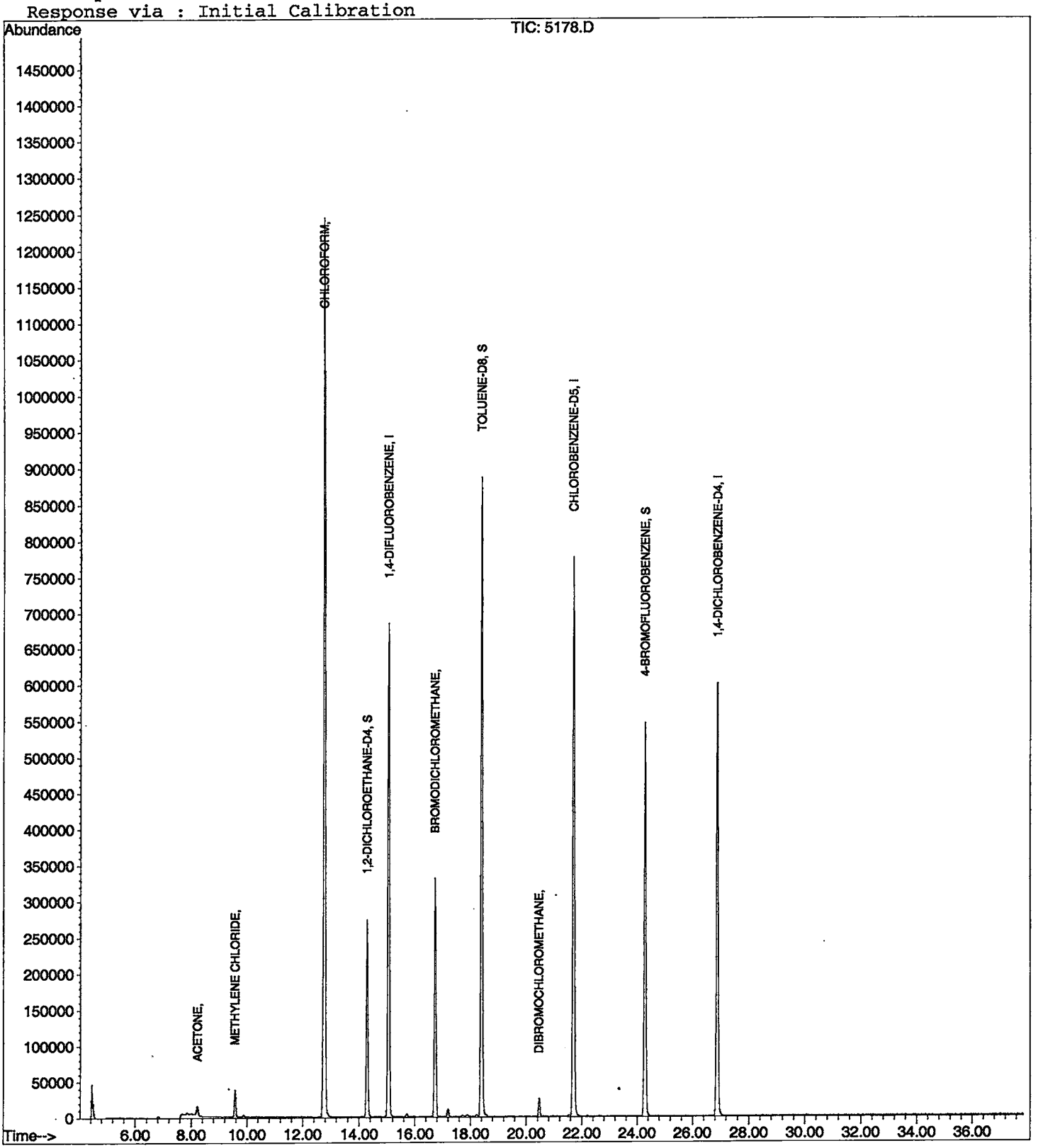
(#) = qualifier out of range (m) = manual integration
5178.D HP022702.M Sun Mar 10 13:14:23 2002 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02MAR08\5178.D
Acq On : 8 Mar 2002 9:14 pm
Sample : nyc
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 10 13:14 2002

Vial: 15
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP022702.RES

Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAR08\5178.D Vial: 15
Acq On : 8 Mar 2002 9:14 pm Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

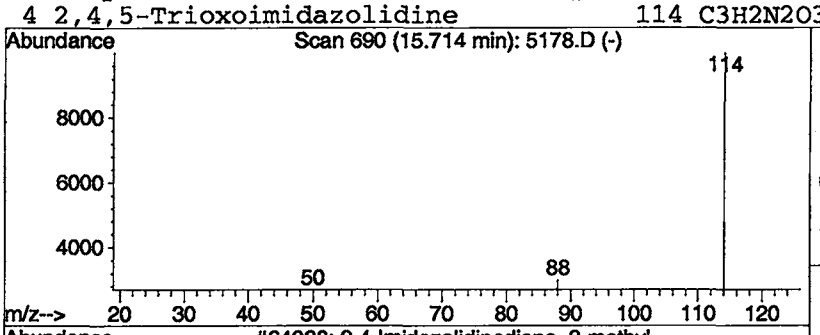
Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

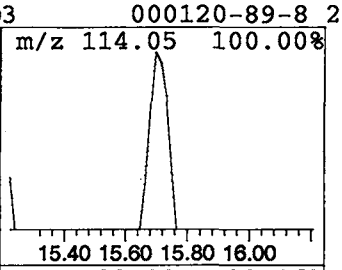
****

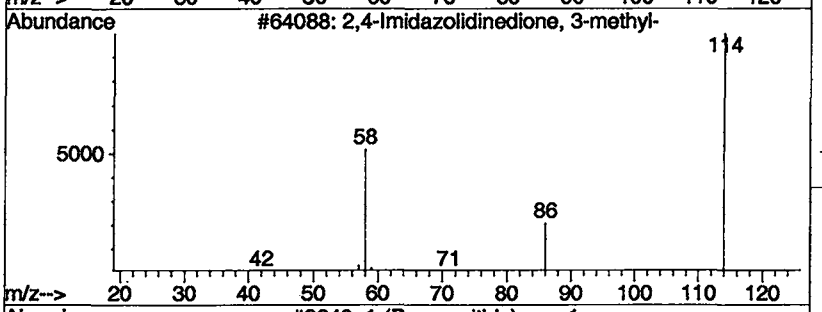
Peak Number 1 2,4-Imidazolidinedione, 3-meth Concentration Rank 2

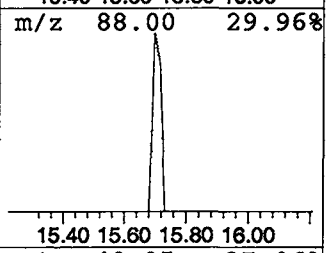
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	0.03 ug/L	14229	1,4-DIFLUOROBENZENE	15.05

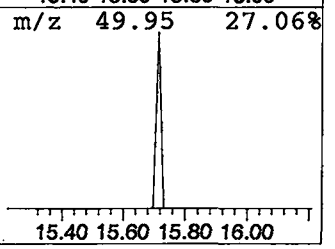
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Imidazolidinedione, 3-methyl-	114	C4H6N2O2	006843-45-4	3
2	1-(Propenylthio)prop-1-ene	114	C6H10S	000000-00-0	3
3	3-Cyclobutene-1,2-dione, 3,4-dihydr	114	C4H2O4	002892-51-5	2
4	2,4,5-Trioxoimidazolidine	114	C3H2N2O3	000120-89-8	2

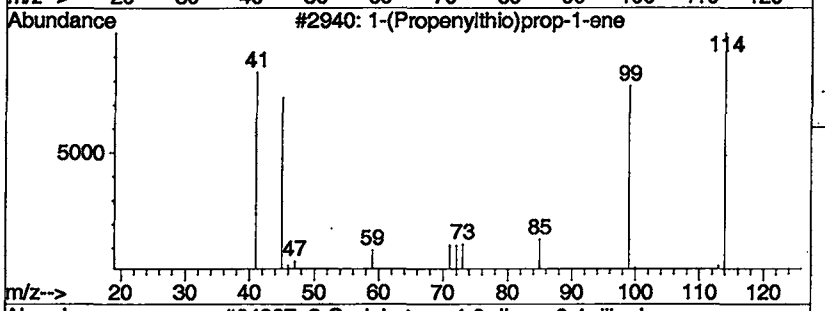


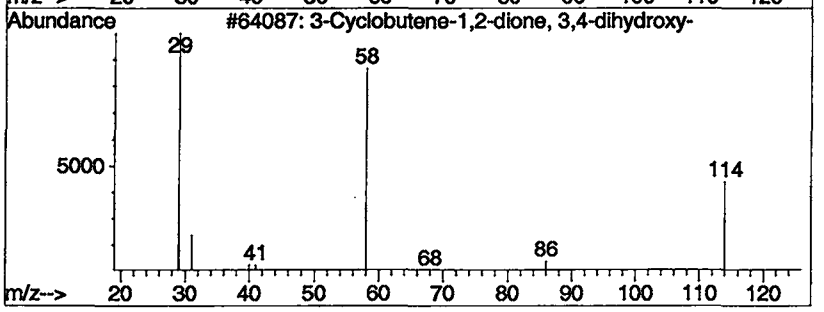












Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAR08\5178.D
Acq On : 8 Mar 2002 9:14 pm
Sample : nyc
Misc :
MS Integration Params: LSCINT.P

Vial: 15
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

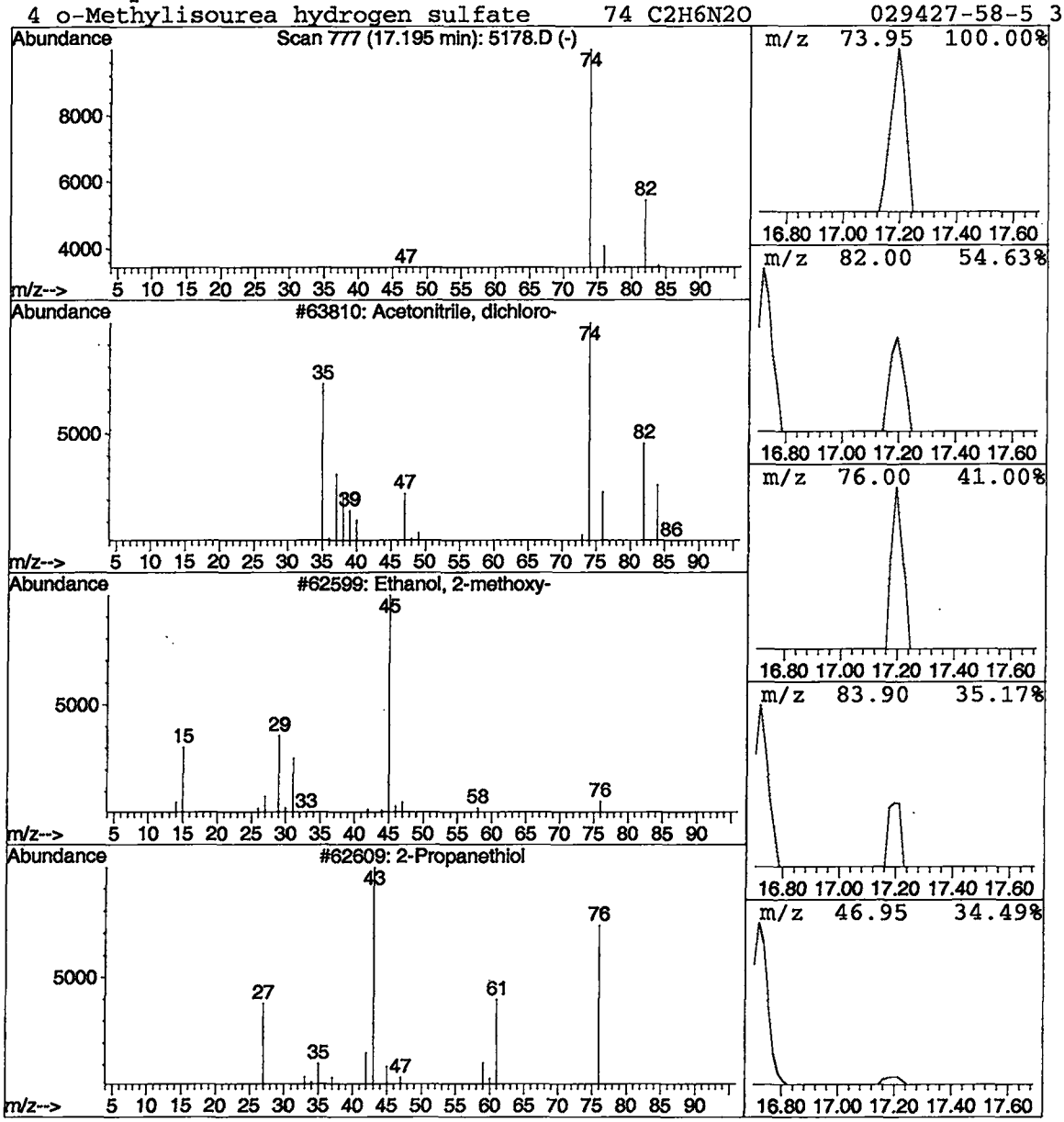
Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Acetonitrile, dichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	0.07 ug/L	36527	1,4-DIFLUOROBENZENE	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	40
2	Ethanol, 2-methoxy-	76	C3H8O2	000109-86-4	3
3	2-Propanethiol	76	C3H8S	000075-33-2	3
4	o-Methylisourea hydrogen sulfate	74	C2H6N2O	029427-58-5	3



User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 03/15/2002 Time: 11:42:06

Sample: AE05178
Analysis: $P_524 Duplicate calculation for 524
Units: ug
Started: 3/8/2002 00:09 Ended: 3/8/2002 00:09 Analyst: BH
Result source: calculation
Page: 1

	Component Name	Viol	Result
1	Surr - 1,2-DICHLOROETHANE-D		0.10
2	Surr - 4-BROMOFLUOROBENZE		0.25
3	DICHLORODIFLUOROMETHAN		< MDL
4	CHLOROMETHANE		< MDL
5	VINYL CHLORIDE		< MDL
6	BROMOMETHANE		< MDL
7	CHLOROETHANE		< MDL
8	TRICHLOROFLUOROMETHANE		< MDL
9	1,1-DICHLOROETHENE		< MDL
10	METHYLENE CHLORIDE		< MDL
11	METHYL TERT-BUTYL ETHER		< MDL
12	TRANS-1,2-DICHLOROETHENE		< MDL
13	1,1-DICHLOROETHANE		< MDL
14	2-BUTANONE (MEK)		< MDL
15	2,2-DICHLOROPROPANE		< MDL
16	CIS-1,2-DICHLOROETHENE		< MDL
17	*THM-CHLOROFORM		2.0
18	BROMOCHLOROMETHANE		< MDL
19	1,2-DICHLOROETHANE		< MDL
20	Surr - TOLUENE-D8		0.23
21	1,1,1- TRICHLOROETHANE		< MDL
22	1,1-DICHLOROPROPENE		< MDL
23	CARBON TETRACHLORIDE		< MDL
24	BENZENE		< MDL
25	TRICHLOROETHENE		< MDL
26	1,2-DICHLOROPROPANE		< MDL
27	DIBROMOMETHANE		< MDL
28	*THM-BROMODICHLOROMETH		0.30
29	METHYL ISO-BUTYL KETONE (		< MDL
30	CIS-1,3-DICHLOROPROPENE		< MDL
31	TOLUENE		< MDL
32	TRANS-1,3-DICHLOROPROPEN		< MDL
33	1,1,2-TRICHLOROETHANE		< MDL
34	TETRACHLOROETHENE		< MDL
35	1,3-DICHLOROPROPANE		< MDL
36	*THM-DIBROMOCHLOROMETH		< MDL
37	1,2-DIBROMOETHANE		< MDL
38	CHLOROBENZENE		< MDL
39	1,1,1,2-TETRACHLOROETHANE		< MDL
40	2-HEXANONE		< MDL
41	ETHYLBENZENE		< MDL
42	P & M-XYLENE		< MDL
43	O-XYLENE		< MDL
44	STYRENE		< MDL
45	1,1,2,2-TETRACHLOROETHANE		< MDL
46	*THM-BROMOFORM		< MDL
47	ISOPROPYLBENZENE		< MDL

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 03/15/2002 Time: 11:42:06

Sample: AE05178
Analysis: $P_524 Duplicate calculation for 524
Units: ug
Started: 3/8/2002 00:09 Ended: 3/8/2002 00:09 Analyst: BH
Result source: calculation
Page: 2

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

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 03/15/2002 Time: 11:38:43

Sample: AE05178
Analysis: $D_524 Volatile Organic Compounds-Duplicate
Units: ug
Started: 3/11/2002 00:08 Ended: 3/12/2002 00:08 Analyst: BH
Result source: manual entry
Page: 1

	Component Name	Viol	Result	MDL
1	Surr - 1,2-DICHLOROETHANE-D		5.95 6.0	.5
2	Surr - 4-BROMOFLUOROBENZE		3.77 4.0	.5
3	Dichlorodifluoromethane		< MDL	.5
4	Chloromethane		< MDL	.5
5	Vinyl chloride		< MDL	.5
6	Bromomethane		< MDL	.5
7	Chloroethane		< MDL	.5
8	Trichlorofluoromethane		< MDL	.5
9	1,1-Dichloroethene		< MDL	.5
10	Methylene Chloride		< MDL	.5
11	Methyl tert-butyl ether (MTBE)		< MDL	1.0
12	trans-1,2-dichloroethene		< MDL	.5
13	1,1-dichloroethane		< MDL	.5
14	2-butanone (MEK)		< MDL	2.0
15	2,2-dichloropropane		< MDL	.5
16	cis-1,2-dichloroethene		< MDL	.5
17	*THM-Chloroform		23 25	.5
18	Bromochloromethane		< MDL	.5
19	1,2-dichloroethane		< MDL	.5
20	Surr - TOLUENE-D8		5.59 5.4	.5
21	1,1,1- trichloroethane		< MDL	.5
22	1,1-dichloropropene		< MDL	.5
23	Carbon tetrachloride		< MDL	.5
24	Benzene		< MDL	.5
25	Trichloroethene		< MDL	.5
26	1,2-dichloropropane		< MDL	.5
27	Dibromomethane		< MDL	.5
28	*THM-Bromodichloromethane		8.8 8.5	.5
29	Methyl iso-butyl ketone (MIBK)		< MDL	1.0
30	cis-1,3-dichloropropene		< MDL	.5
31	Toluene		< MDL	.5
32	trans-1,3-dichloropropene		< MDL	.5
33	1,1,2-trichloroethane		< MDL	.5
34	Tetrachloroethene		< MDL	.5
35	1,3-dichloropropane		< MDL	.5
36	*THM-Dibromochloromethane		< MDL	2.0
37	Chlorobenzene		< MDL	.5
38	1,1,1,2-tetrachloroethane		< MDL	.5
39	Ethylbenzene		< MDL	.5
40	P & M-xylene		< MDL	.5
41	O-xylene		< MDL	.5
42	Styrene		< MDL	.5
43	1,1,2,2-tetrachloroethane		< MDL	.5
44	*THM-Bromoform		< MDL	2.0
45	Isopropylbenzene		< MDL	.5
46	1,2,3-trichloropropane		< MDL	.5
47	N-propylbenzene		< MDL	.5

User: Vannelli, Sandy
Westchester Dept. of Labs & Research
Date: 03/15/2002 Time: 11:38:43

Sample: AE05178
Analysis: $D_524 Volatile Organic Compounds-Duplicate
Units: ug
Started: 3/11/2002 00:08 Ended: 3/12/2002 00:08 Analyst: BH
Result source: manual entry
Page: 2

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

Comments for Sample AE05178 - Analysis $D_524

Westchester Dept. of Labs & Research
User: Vannelli, Sandy
Date: 03-15-2002 Time: 11:38:40

Dichloroacetonitrile is present as a 524.2 TIC. The estimated concentration is 0.08ug/L.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02mar11\5178D.D Vial: 6
Acq On : 11 Mar 2002 5:08 pm Operator: 201-wb
Sample : nyc dup Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 11 17:47 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Mar 11 11:11:58 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.04	114	1365787	5.00	ug/L	-0.14
24) CHLOROBENZENE-D5	21.69	117	1188558	5.00	ug/L	-0.14
52) 1,4-DICHLOROBENZENE-D4	26.87	152	533509	5.00	ug/L	-0.14
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.29	65	525615	5.95	ug/L	-0.12
Spiked Amount 5.000			Recovery =	119.00%		
3) 4-BROMOFLUOROBENZENE	24.28	174	416527	3.77	ug/L	-0.14
Spiked Amount 5.000			Recovery =	75.40%		
25) TOLUENE-D8	18.39	98	1600667	5.59	ug/L	-0.14
Spiked Amount 5.000			Recovery =	111.80%		
Target Compounds						Qvalue
12) ACETONE	8.21	43	49657	7.11	ug/L	93
21) CHLOROFORM 23	12.75	83	2423897	23.17	ug/L	99
33) BROMODICHLOROMETHANE 8.8	16.72	83	563200	8.77	ug/L	99
42) DIBROMOCHLOROMETHANE 1.1	20.45	129	43386	1.09	ug/L	98

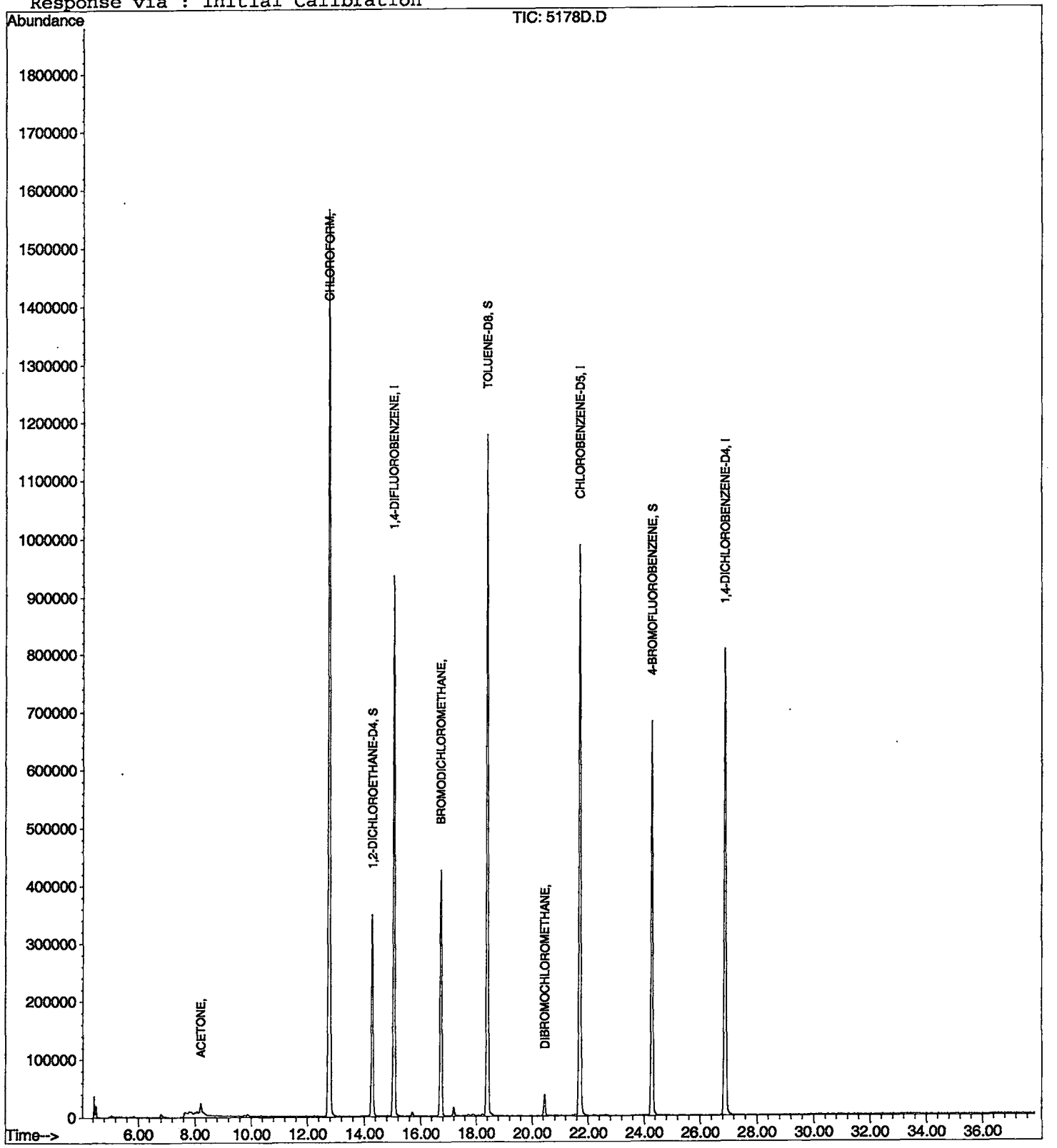
(#) = qualifier out of range (m) = manual integration
5178D.D HP022702.M Mon Mar 11 17:47:19 2002 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02mar11\5178D.D
Acq On : 11 Mar 2002 5:08 pm
Sample : nyc dup
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 11 17:47 2002

Vial: 6
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP022702.RES

Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Mar 11 11:11:58 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02mar11\5178D.D Vial: 6
Acq On : 11 Mar 2002 5:08 pm Operator: 201-wb
Sample : nyc dup Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

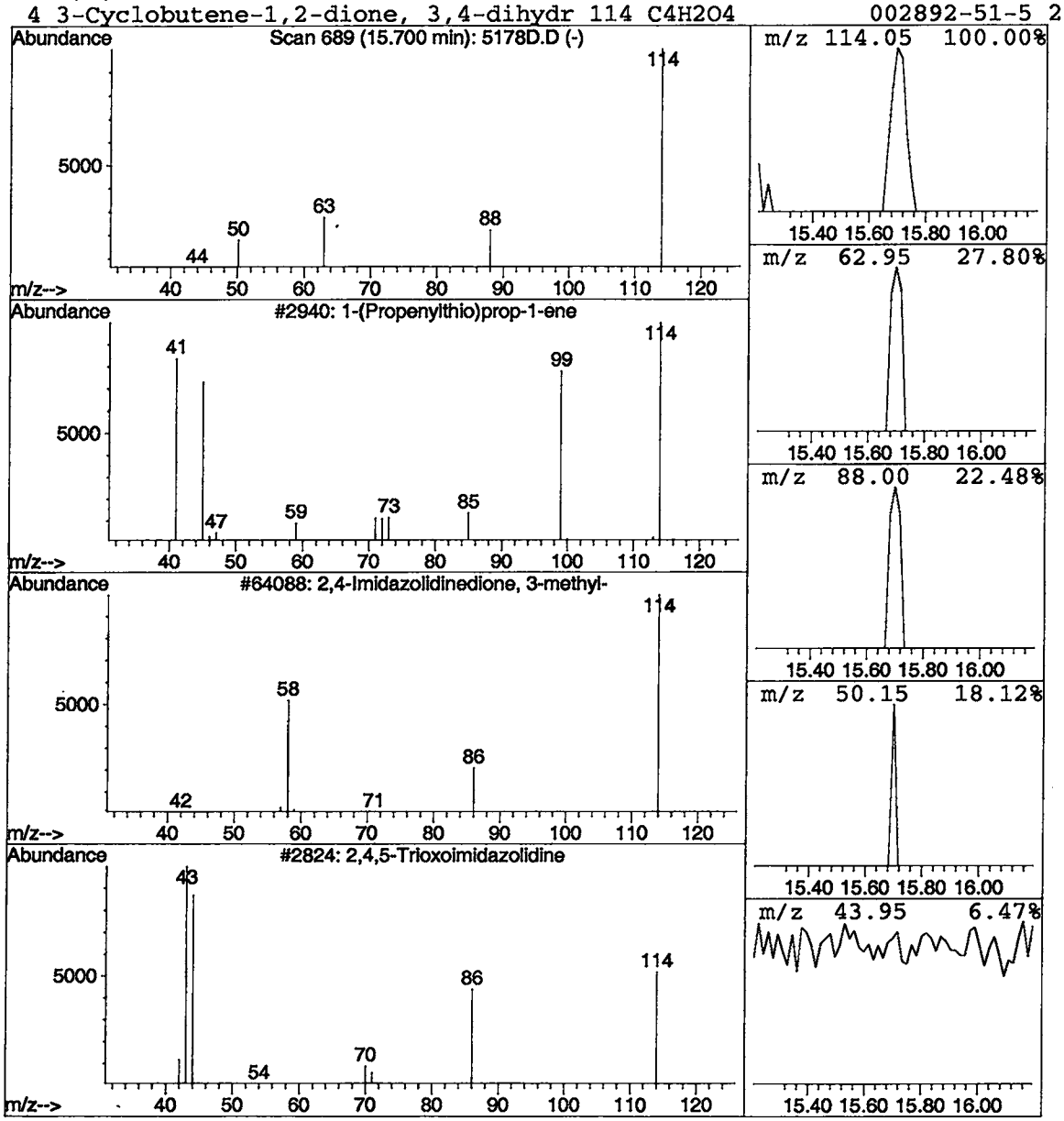
Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 1-(Propenylthio)prop-1-ene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.70	0.03 ug/L	22052	1,4-DIFLUOROBENZENE	15.04

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



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02mar11\5178D.D Vial: 6
Acq On : 11 Mar 2002 5:08 pm Operator: 201-wb
Sample : nyc dup Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

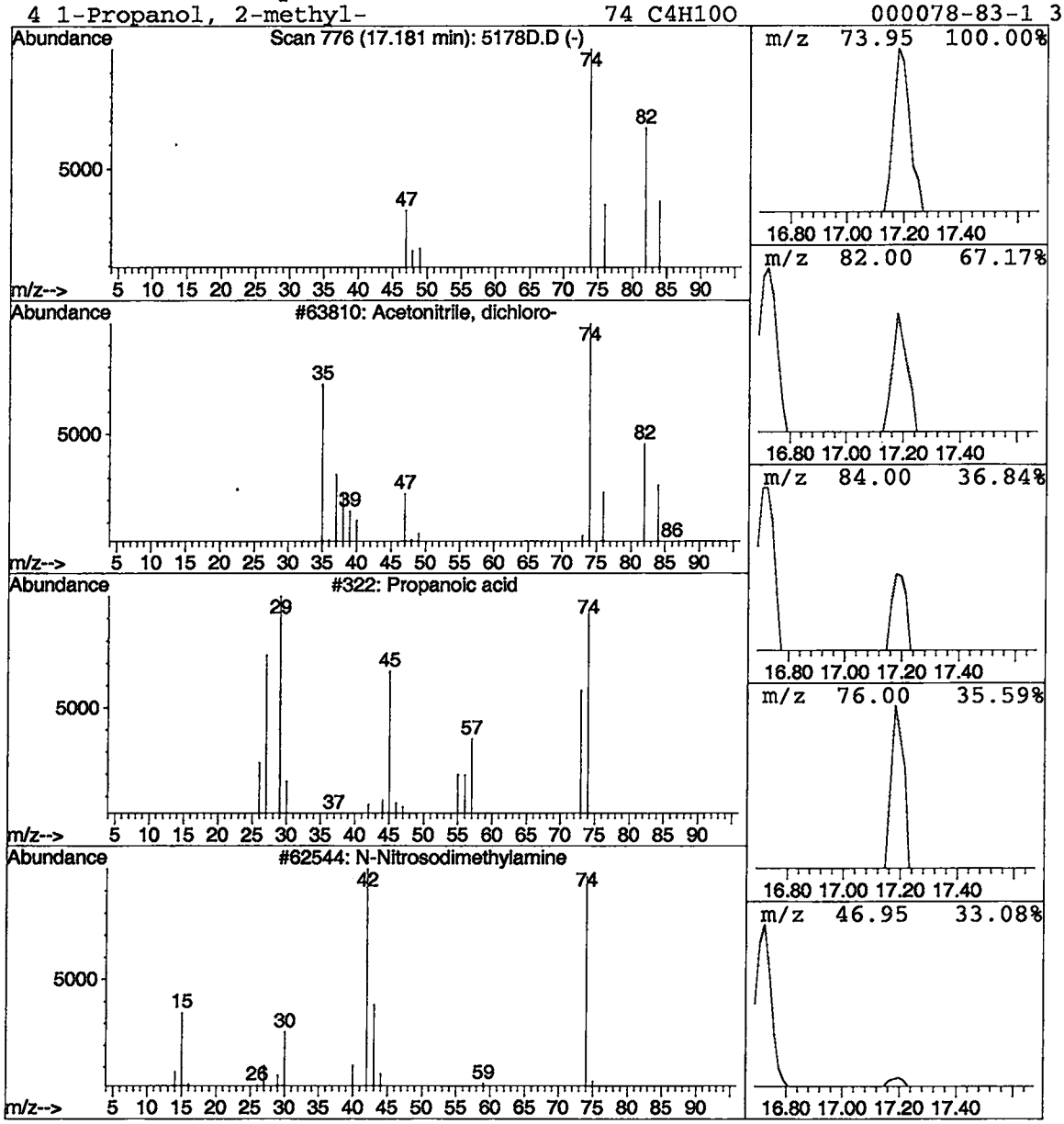
Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Acetonitrile, dichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.18	0.08 ug/L	52833	1,4-DIFLUOROBENZENE	15.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	83
2	Propanoic acid	74	C3H6O2	000079-09-4	4
3	N-Nitrosodimethylamine	74	C2H6N2O	000062-75-9	3
4	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	3



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/10/2002 Time: 15:56:56

Sample: AE05179
Analysis: S524 Volatile Organic Compounds
Units: ug
Started: 3/8/02 00:09 Ended: 3/8/02 00:09 Analyst: BH
Result source: a:\5179.rr
Page: 1

	Component Name	Viol	Result	MDL
1	Surr - 1,2-DICHLOROETHANE-D		5.9	0.5
2	Surr - 4-BROMOFLUOROBENZE		4.0	0.5
3	Dichlorodifluoromethane		< MDL	0.5
4	Chloromethane		< MDL	0.5
5	Vinyl chloride		< MDL	0.5
6	Bromomethane		< MDL	0.5
7	Chloroethane		< MDL	0.5
8	Trichlorofluoromethane		< MDL	0.5
9	1,1-Dichloroethene		< MDL	0.5
10	Methylene Chloride		< MDL	0.5
11	Methyl tert-butyl ether (MTB		< MDL	1.0
12	trans-1,2-dichloroethene		< MDL	0.5
13	1,1-dichloroethane		< MDL	0.5
14	2-butanone (MEK)		< MDL	2.0
15	2,2-dichloropropane		< MDL	0.5
16	cis-1,2-dichloroethene		< MDL	0.5
17	*THM-Chloroform		22	0.5
18	Bromochloromethane		< MDL	0.5
19	1,2-dichloroethane		< MDL	0.5
20	Surr - TOLUENE-D8		5.4	0.5
21	1,1,1- trichloroethane		< MDL	0.5
22	1,1-dichloropropene		< MDL	0.5
23	Carbon tetrachloride		< MDL	0.5
24	Benzene		< MDL	0.5
25	Trichloroethene		< MDL	0.5
26	1,2-dichloropropane		< MDL	0.5
27	Dibromomethane		< MDL	0.5
28	*THM-Bromodichloromethar		4.6	0.5
29	Methyl iso-butyl ketone (MIB		< MDL	1.0
30	cis-1,3-dichloropropene		< MDL	0.5
31	Toluene		< MDL	0.5
32	trans-1,3-dichloropropene		< MDL	0.5
33	1,1,2-trichloroethane		< MDL	0.5
34	Tetrachloroethene		< MDL	0.5
35	1,3-dichloropropane		< MDL	0.5
36	*THM-Dibromochloromethar		< MDL	2.0
37	Chlorobenzene		< MDL	0.5
38	1,1,1,2-tetrachloroethane		< MDL	0.5
39	Ethylbenzene		< MDL	0.5
40	P & M-xylene		< MDL	0.5
41	O-xylene		< MDL	0.5
42	Styrene		< MDL	0.5
43	1,1,2,2-tetrachloroethane		< MDL	0.5
44	*THM-Bromoform		< MDL	2.0
45	Isopropylbenzene		< MDL	0.5
46	1,2,3-trichloropropane		< MDL	0.5
47	N-propylbenzene		< MDL	0.5

REVIEWED BY AV
DATE 3/15/02

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/10/2002 Time: 15:56:56

Sample: AE05179
Analysis: S524 Volatile Organic Compounds
Units: ug
Started: 3/8/02 00:09 Ended: 3/8/02 00:09 Analyst: BH
Result source: a:\5179.rr
Page: 2

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

Comments for Sample AE05179 - Analysis $524

Westchester Dept. of Labs & Research
User: Vannelli, Sandy
Date: 03-15-2002 Time: 10:44:25

The recovery of 2-butanone in the QC sample was 68%.
Dichloroacetonitrile is present as a 524.2 TIC. The estimated concentration is 0.03ug/L.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAR08\5179.D Vial: 16
Acq On : 8 Mar 2002 9:57 pm Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 10 13:16 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.05	114	1185964	5.00	ug/L	-0.12
24) CHLOROBENZENE-D5	21.69	117	1113815	5.00	ug/L	-0.14
52) 1,4-DICHLOROBENZENE-D4	26.88	152	487062	5.00	ug/L	-0.12
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.29	65	454022	5.92	ug/L	-0.12
Spiked Amount 5.000			Recovery	=	118.40%	
3) 4-BROMOFLUOROBENZENE	24.28	174	382702	3.99	ug/L	-0.14
Spiked Amount 5.000			Recovery	=	79.80%	
25) TOLUENE-D8	18.41	98	1448954	5.40	ug/L	-0.12
Spiked Amount 5.000			Recovery	=	108.00%	
Target Compounds						Qvalue
12) ACETONE	8.22	43	43380	7.15	ug/L	82
14) METHYLENE CHLORIDE	9.57	49	53825	~~0.88~~	~~ug/L~~	94
21) CHLOROFORM 22	12.77	83	1968908	21.68	ug/L	99
33) BROMODICHLOROMETHANE 4.6	16.72	83	277556	4.61	ug/L	100
42) DIBROMOCHLOROMETHANE .46	20.47	129	17140	0.46	ug/L	93

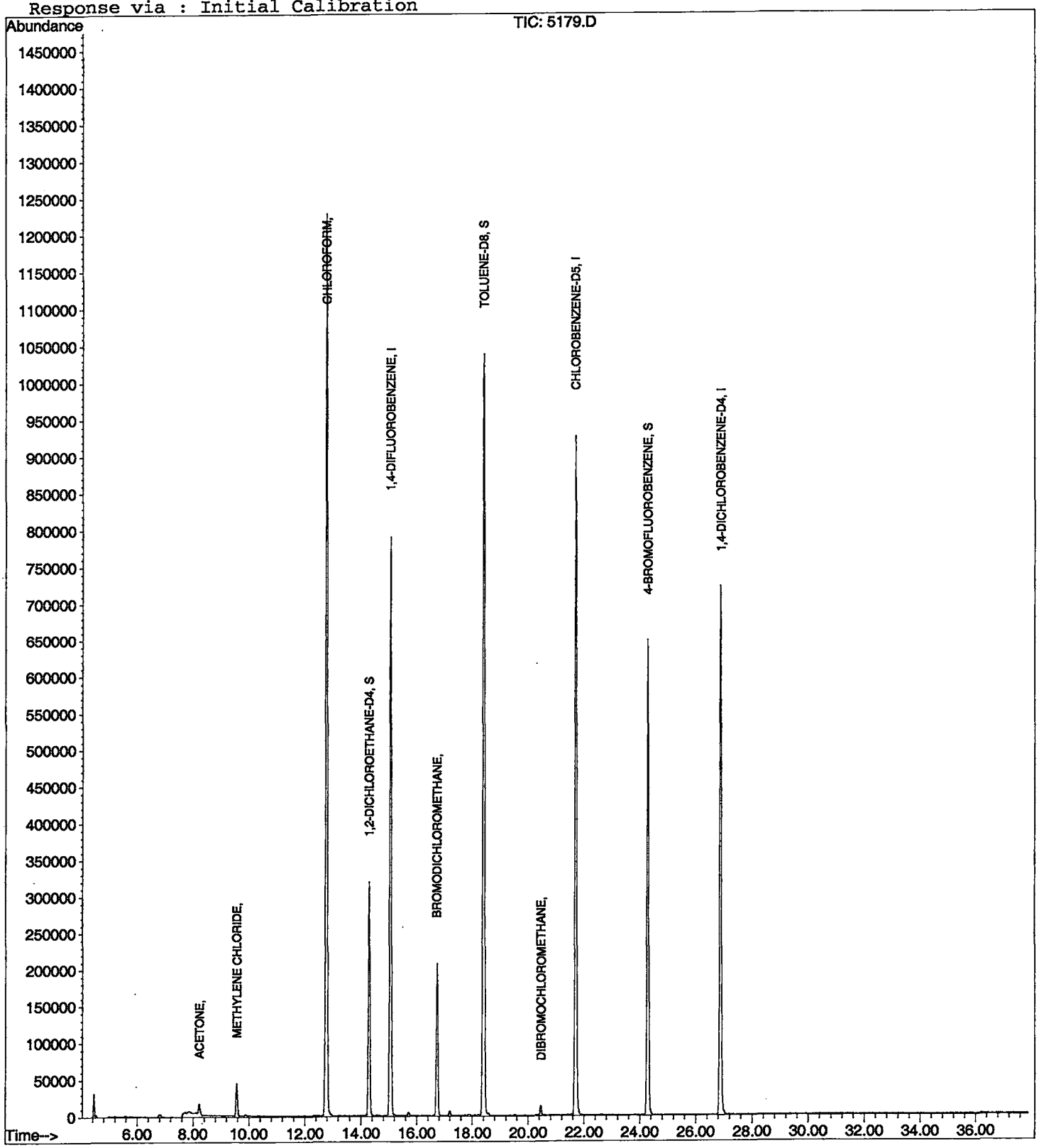
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02MAR08\5179.D
Acq On : 8 Mar 2002 9:57 pm
Sample : nyc
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 10 13:16 2002

Vial: 16
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP022702.RES

Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAR08\5179.D Vial: 16
Acq On : 8 Mar 2002 9:57 pm Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

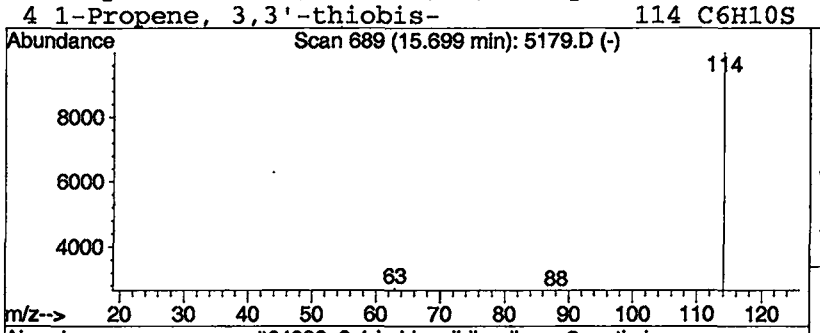
Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

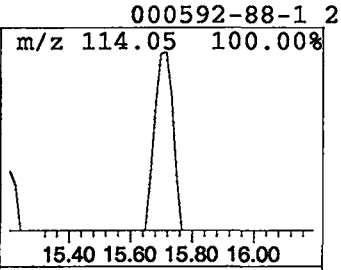
****

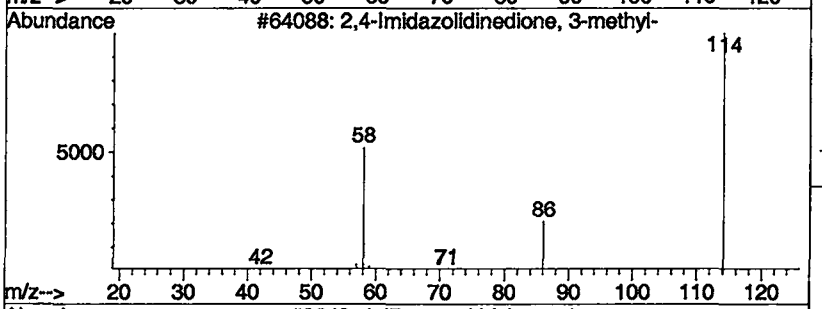
Peak Number 1 2,4-Imidazolidinedione, 3-meth Concentration Rank 2

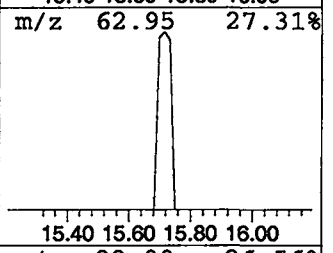
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.70	0.03 ug/L	16349	1,4-DIFLUOROBENZENE	15.05

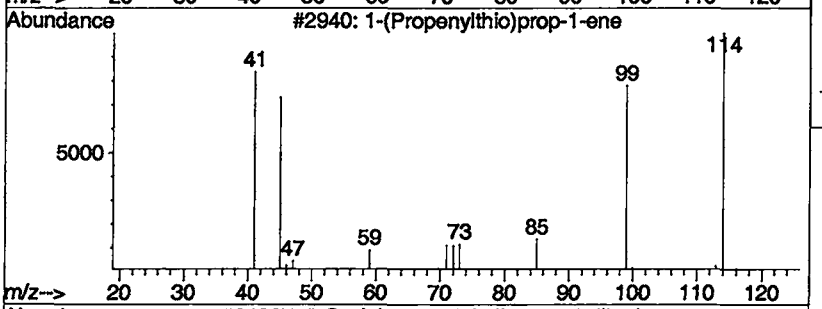
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Imidazolidinedione, 3-methyl-	114	C4H6N2O2	006843-45-4	3
2	1-(Propenylthio)prop-1-ene	114	C6H10S	000000-00-0	3
3	3-Cyclobutene-1,2-dione, 3,4-dihydr	114	C4H2O4	002892-51-5	2
4	1-Propene, 3,3'-thiobis-	114	C6H10S	000592-88-1	2

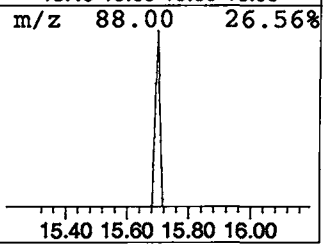


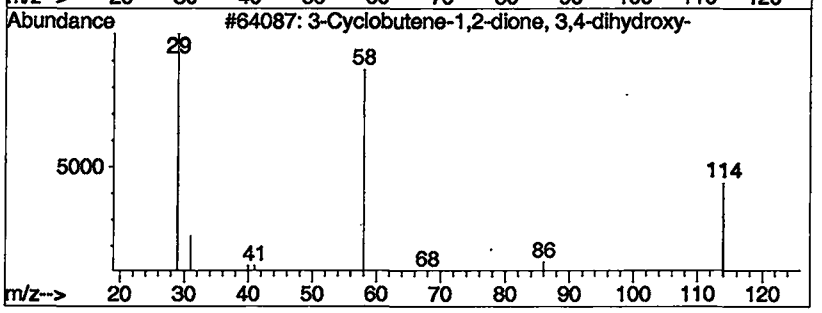












Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAR08\5179.D Vial: 16
Acq On : 8 Mar 2002 9:57 pm Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

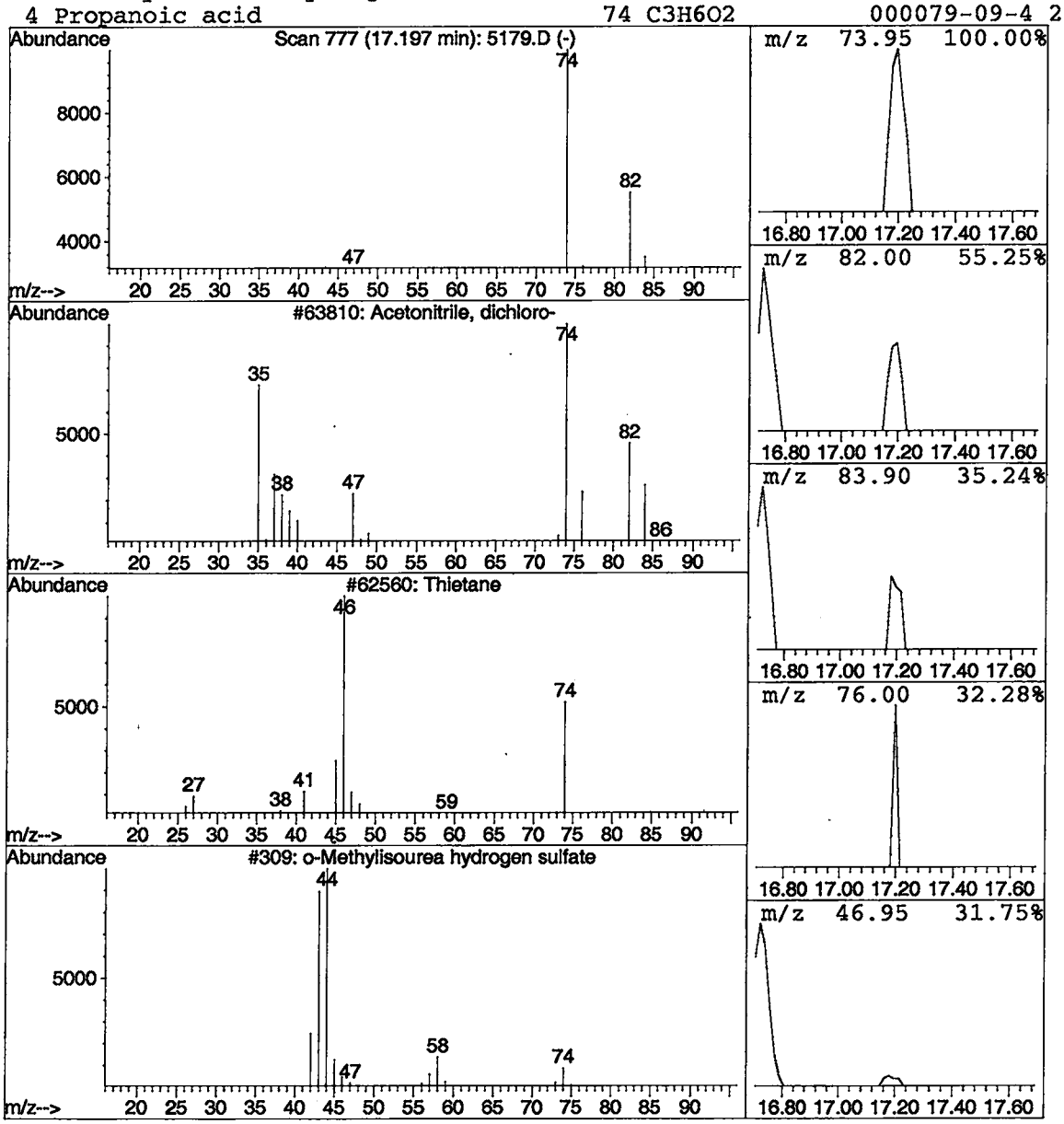
Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Acetonitrile, dichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	0.03 ug/L	20889	1,4-DIFLUOROBENZENE	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	83
2	Thietane	74	C3H6S	000287-27-4	4
3	o-Methylisourea hydrogen sulfate	74	C2H6N2O	029427-58-5	3
4	Propanoic acid	74	C3H6O2	000079-09-4	2



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/10/2002 Time: 15:58:10

Sample: AE05180
Analysis: S524 Volatile Organic Compounds
Units: ug
Started: 3/8/02 00:00 Ended: 3/8/02 00:00 Analyst: BH
Result source: a:\5180.rr
Page: 1

	Component Name	Viol	Result	MDL
1	Surr - 1,2-DICHLOROETHANE-D		5.8	0.5
2	Surr - 4-BROMOFLUOROBENZE		4.0	0.5
3	Dichlorodifluoromethane		< MDL	0.5
4	Chloromethane		< MDL	0.5
5	Vinyl chloride		< MDL	0.5
6	Bromomethane		< MDL	0.5
7	Chloroethane		< MDL	0.5
8	Trichlorofluoromethane		< MDL	0.5
9	1,1-Dichloroethene		< MDL	0.5
10	Methylene Chloride		< MDL	0.5
11	Methyl tert-butyl ether (MTB		< MDL	1.0
12	trans-1,2-dichloroethene		< MDL	0.5
13	1,1-dichloroethane		< MDL	0.5
14	2-butanone (MEK)		< MDL	2.0
15	2,2-dichloropropane		< MDL	0.5
16	cis-1,2-dichloroethene		< MDL	0.5
17	*THM-Chloroform		11	0.5
18	Bromochloromethane		< MDL	0.5
19	1,2-dichloroethane		< MDL	0.5
20	Surr - TOLUENE-D8		5.5	0.5
21	1,1,1- trichloroethane		< MDL	0.5
22	1,1-dichloropropene		< MDL	0.5
23	Carbon tetrachloride		< MDL	0.5
24	Benzene		< MDL	0.5
25	Trichloroethene		< MDL	0.5
26	1,2-dichloropropane		< MDL	0.5
27	Dibromomethane		< MDL	0.5
28	*THM-Bromodichloromethar		2.5	0.5
29	Methyl iso-butyl ketone (MIB		< MDL	1.0
30	cis-1,3-dichloropropene		< MDL	0.5
31	Toluene		< MDL	0.5
32	trans-1,3-dichloropropene		< MDL	0.5
33	1,1,2-trichloroethane		< MDL	0.5
34	Tetrachloroethene		< MDL	0.5
35	1,3-dichloropropane		< MDL	0.5
36	*THM-Dibromochloromethar		< MDL	2.0
37	Chlorobenzene		< MDL	0.5
38	1,1,1,2-tetrachloroethane		< MDL	0.5
39	Ethylbenzene		< MDL	0.5
40	P & M-xylene		< MDL	0.5
41	O-xylene		< MDL	0.5
42	Styrene		< MDL	0.5
43	1,1,2,2-tetrachloroethane		< MDL	0.5
44	*THM-Bromoform		< MDL	2.0
45	Isopropylbenzene		< MDL	0.5
46	1,2,3-trichloropropane		< MDL	0.5
47	N-propylbenzene		< MDL	0.5

REVIEWED BY AV
DATE 3/15/02

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/10/2002 Time: 15:58:10

Sample: AE05180
Analysis: S524 Volatile Organic Compounds
Units: ug
Started: 3/8/02 00:00 Ended: 3/8/02 00:00 Analyst: BH
Result source: a:\5180.rr
Page: 2

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAR08\5180.D Vial: 2
Acq On : 8 Mar 2002 10:41 pm Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 10 13:18 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.05	114	1385448	5.00 ug/L	-0.12
24) CHLOROBENZENE-D5	21.69	117	1293588	5.00 ug/L	-0.14
52) 1,4-DICHLOROBENZENE-D4	26.88	152	584250	5.00 ug/L	-0.12
System Monitoring Compounds					
2) 1,2-DICHLOROETHANE-D4	14.29	65	518306	5.78 ug/L	-0.12
Spiked Amount 5.000			Recovery =	115.60%	
3) 4-BROMOFLUOROBENZENE	24.28	174	450922	4.02 ug/L	-0.14
Spiked Amount 5.000			Recovery =	80.40%	
25) TOLUENE-D8	18.39	98	1705412	5.47 ug/L	-0.14
Spiked Amount 5.000			Recovery =	109.40%	
Target Compounds					Qvalue
12) ACETONE	8.21	43	89358	12.61 ug/L	93
14) METHYLENE CHLORIDE	9.57	49	63935	~~0.90 ug/L~~	97
21) CHLOROFORM 10	12.77	83	1117826	10.53 ug/L	99
33) BROMODICHLOROMETHANE 2.5	16.72	83	173380	2.48 ug/L	96
42) DIBROMOCHLOROMETHANE 2.4	20.45	129	10301	0.24 ug/L	97
65) 1,3-DICHLOROBENZENE	26.95	146	17692	~~0.18 ug/L~~	98
66) 1,4-DICHLOROBENZENE	26.95	146	17692	~~0.18 ug/L~~	96

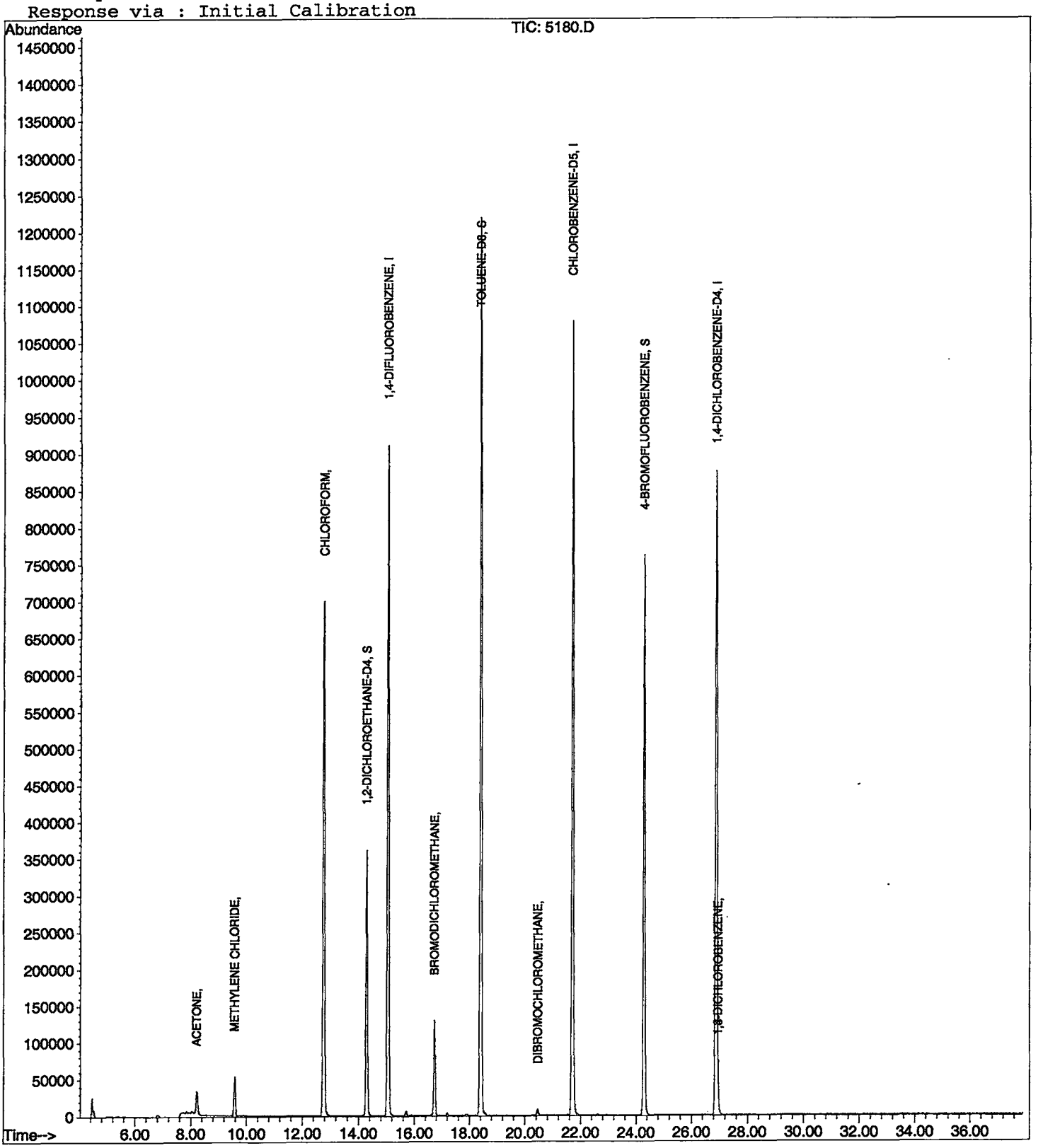
(#) = qualifier out of range (m) = manual integration
5180.D HP022702.M Sun Mar 10 13:18:33 2002 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02MAR08\5180.D
Acq On : 8 Mar 2002 10:41 pm
Sample : nyc
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 10 13:18 2002

Vial: 2
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP022702.RES

Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAR08\5180.D
Acq On : 8 Mar 2002 10:41 pm
Sample : nyc
Misc :
MS Integration Params: LSCINT.P

Vial: 2
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

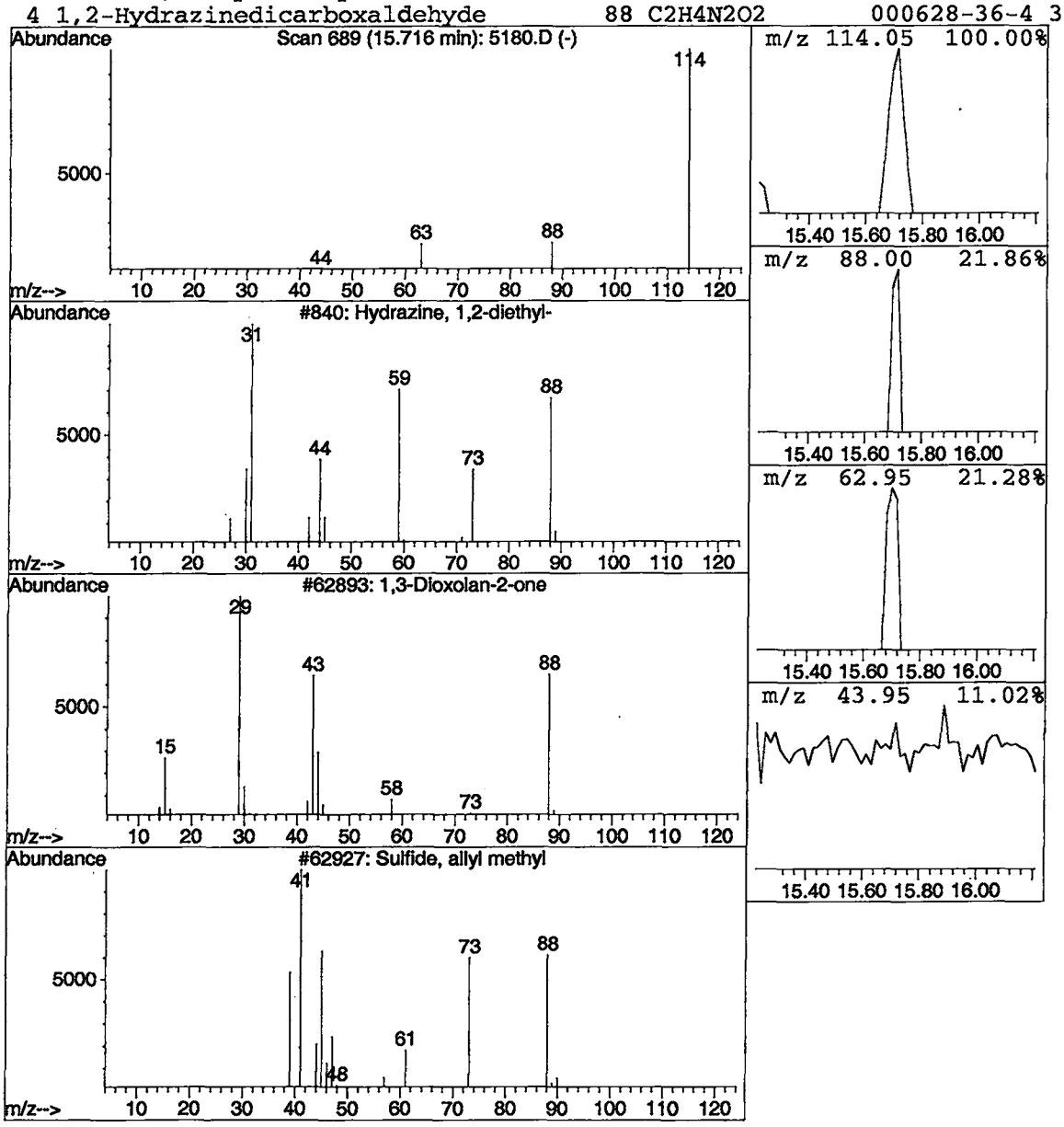
Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	0.03 ug/L	21652	1,4-DIFLUOROBENZENE	15.05

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	Sulfide, allyl methyl	88	C4H8S	010152-76-8	3
4	1,2-Hydrazinedicarboxaldehyde	88	C2H4N2O2	000628-36-4	3



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/10/2002 Time: 15:38:33

Sample: AE05178
Analysis: SC2524 Volatile Organic Compounds-Cal 2
Units: ug
Started: 3/8/02 00:01 Ended: 3/8/02 00:01 Analyst: BH
Result source: a:\0308c10a.rr
Page: 1

	Component Name	Viol	Result	MDL
1	Surr_1,2-DICHLOROETHANE-D4		6.0	.5
2	Surr_4-BROMOFLUOROBENZEN		4.4	.5
3	Dichlorodifluoromethane		8.9	.5
4	Chloromethane		12	.5
5	Vinyl chloride	USPEC	18	.5
6	Bromomethane	USPEC	14	.5
7	Chloroethane	USPEC	17	.5
8	Trichlorofluoromethane	USPEC	14	.5
9	1,1-Dichloroethene	USPEC	15	.5
10	Methylene chloride	USPEC	15	.5
11	Methyl tert-butyl ether (MTB		12	1.0
12	trans-1,2-dichloroethene	USPEC	14	.5
13	1,1-dichloroethane	USPEC	14	.5
14	2-butanone (MEK)		8.5	2.0
15	2,2-dichloropropane		13	.5
16	cis-1,2-dichloroethene	USPEC	14	.5
17	Chloroform	USPEC	15	.5
18	Bromochloromethane		12	.5
19	1,2-dichloroethane	USPEC	15	.5
20	Surr_TOLUENE-D8		5.3	.5
21	1,1,1-trichloroethane	USPEC	16	.5
22	1,1-dichloropropene	USPEC	16	.5
23	Carbon tetrachloride	USPEC	16	.5
24	Benzene	USPEC	15	.5
25	Trichloroethene	USPEC	15	.5
26	1,2-dichloropropane	USPEC	14	.5
27	Dibromomethane		12	.5
28	Bromodichloromethane	USPEC	15	.5
29	Methyl iso-butyl ketone		11	1.0
30	cis-1,3-dichloropropene	USPEC	14	.5
31	Toluene	USPEC	15	.5
32	trans-1,3-dichloropropene	USPEC	15	.5
33	1,1,2-trichloroethane	USPEC	14	.5
34	Tetrachloroethene	USPEC	14	.5
35	1,3-dichloropropane	USPEC	14	.5
36	Dibromochloromethane	USPEC	14	2.0
37	Chlorobenzene	USPEC	14	.5
38	1,1,1,2-tetrachloroethane	USPEC	15	.5
39	Ethylbenzene	USPEC	16	.5
40	P & M-xylene	USPEC	30	.5
41	O-xylene	USPEC	16	.5
42	Styrene	USPEC	14	.5
43	1,1,2,2-tetrachloroethane		12	.5
44	Bromoform	USPEC	14	2.0
45	Isopropylbenzene	USPEC	17	.5
46	1,2,3-trichloropropane	USPEC	14	.5
47	N-propylbenzene	USPEC	16	.5

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/10/2002 Time: 15:38:33

Sample: AE05178
Analysis: SC2524 Volatile Organic Compounds-Cal 2
Units: ug
Started: 3/8/02 00:01 Ended: 3/8/02 00:01 Analyst: BH
Result source: a:\0308c10a.rr
Page: 2

	Component Name	Viol	Result	MDL
48	Bromobenzene	USPEC	14	.5
49	1,3,5-trimethylbenzene	USPEC	17	.5
50	2-chlorotoluene	USPEC	16	.5
51	4-chlorotoluene	USPEC	17	.5
52	TERT-butylbenzene	USPEC	16	.5
53	1,2,4-trimethylbenzene	USPEC	16	.5
54	SEC-butylbenzene	USPEC	17	.5
55	P-isopropyltoluene	USPEC	17	.5
56	1,3-dichlorobenzene	USPEC	15	.5
57	1,4-dichlorobenzene	USPEC	14	.5
58	N-butylbenzene	USPEC	17	.5
59	1,2-dichlorobenzene	USPEC	14	.5
60	1,2,4-trichlorobenzene	USPEC	14	.5
61	Hexachlorobutadiene	USPEC	16	.5
62	Naphthalene		12	.5
63	1,2,3-trichlorobenzene	USPEC	13	.5
64	Nitrobenzene		240	5.0

Comments for Sample AE05178 - Analysis $C2524

Westchester Dept. of Labs & Research
User: Vannelli, Sandy
Date: 03-15-2002 Time: 10:52:21

This standard is high because the area of the internal standards is low. The four samples preceeding this CCV had THM's. They were reanalyzed and the results of the re-analysis were comparable to the results of the first analysis.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAR08\0308C10A.D Vial: 3
Acq On : 8 Mar 2002 11:23 pm Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 10 13:03 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.05	114	753992	5.00	ug/L	-0.12
24) CHLOROBENZENE-D5	21.69	117	733610	5.00	ug/L	-0.14
52) 1,4-DICHLOROBENZENE-D4	26.88	152	360419	5.00	ug/L	-0.12
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.29	65	292004	5.99	ug/L	-0.12
Spiked Amount 5.000			Recovery = 119.80%			
3) 4-BROMOFLUOROBENZENE	24.28	174	269606	4.42	ug/L	-0.14
Spiked Amount 5.000			Recovery = 88.40%			
25) TOLUENE-D8	18.41	98	932394	5.27	ug/L	-0.12
Spiked Amount 5.000			Recovery = 105.40%			
Target Compounds						Qvalue
4) DICHLORODIFLUOROMETHANE	4.83	85	183974	8.88	ug/L	98
5) CHLOROMETHANE	5.45	50	267378	11.76	ug/L	96
6) VINYL CHLORIDE	5.57	62	212898	18.20	ug/L	98
7) BROMOMETHANE	6.54	94	202813	14.01	ug/L	91
8) CHLOROETHANE	6.69	64	211403	16.70	ug/L	96
9) TRICHLOROFLUOROMETHANE	7.25	101	386420	13.97	ug/L	99
12) ACETONE	8.22	43	61023	15.82	ug/L	94
13) 1,1-DICHLOROETHENE	8.56	61	482389	14.69	ug/L	98
14) METHYLENE CHLORIDE	9.57	49	580341	15.00	ug/L	99
15) METHYL TERT BUTYL ETHER	9.88	73	545606	12.30	ug/L	99
16) TRANS-1,2-DICHLOROETHENE	10.23	61	614639	13.81	ug/L	98
17) 1,1-DICHLOROETHANE	11.12	63	757295	13.77	ug/L	98
18) 2-BUTANONE (MEK)	11.95	43	70024	8.48	ug/L	90
19) 2,2-DICHLOROPROPANE	12.33	77	507745	12.53	ug/L	96
20) CIS-1,2-DICHLOROETHENE	12.43	96	474562	14.03	ug/L	95
21) CHLOROFORM	12.77	83	837737	14.51	ug/L	100
22) BROMOCHLOROMETHANE	13.14	49	348693	12.25	ug/L	97
23) 1,2-DICHLOROETHANE	14.49	62	554336	15.19	ug/L	96
26) 1,1,1-TRICHLOROETHANE	13.66	97	608369	15.50	ug/L	98
27) 1,1-DICHLOROPROPENE	13.98	75	623887	16.23	ug/L	98
28) CARBON TETRACHLORIDE	14.23	117	511636	15.54	ug/L	97
29) BENZENE	14.57	78	1601319	14.72	ug/L	99
30) TRICHLOROETHENE	15.85	95	495420	15.48	ug/L	98
31) 1,2-DICHLOROPROPANE	16.21	63	439136	13.91	ug/L	98
32) DIBROMOMETHANE	16.87	174	204939	12.37	ug/L	89
33) BROMODICHLOROMETHANE	16.72	83	595379	15.03	ug/L	99
34) 2-CHLOROETHYL VINYL ETHER	17.21	63	136432	13.62	ug/L	98
35) METHYL ISO-BUTYL KETONE	17.28	58	60293	10.71	ug/L	91
36) CIS-1,3-DICHLOROPROPENE	17.81	75	596158	13.84	ug/L	99
37) TOLUENE	18.58	91	1795490	15.02	ug/L	99
38) TRANS-1,3-DICHLOROPROPENE	18.85	75	452779	14.69	ug/L	99
39) 1,1,2-TRICHLOROETHANE	19.24	97	282361	13.75	ug/L	97
40) TETRACHLOROETHENE	20.02	166	473522	13.79	ug/L	99
41) 1,3-DICHLOROPROPANE	19.77	76	512829	13.62	ug/L	100
42) DIBROMOCHLOROMETHANE	20.45	129	340654	13.82	ug/L	98
43) 1,2-DIBROMOETHANE	20.91	107	275308	13.16	ug/L	100
44) CHLOROBENZENE	21.78	112	1185301	14.46	ug/L	96
45) 1,1,1,2-TETRACHLOROETHANE	21.83	131	396444	14.59	ug/L	99
46) 2-HEXANONE	19.14	43	108606	7.58	ug/L	92
47) ETHYLBENZENE	21.83	91	2144060	15.80	ug/L	99
48) P & M-XYLENE	21.98	106	1459073	29.83	ug/L	93

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAR08\0308C10A.D Vial: 3
Acq On : 8 Mar 2002 11:23 pm Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 10 13:03 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

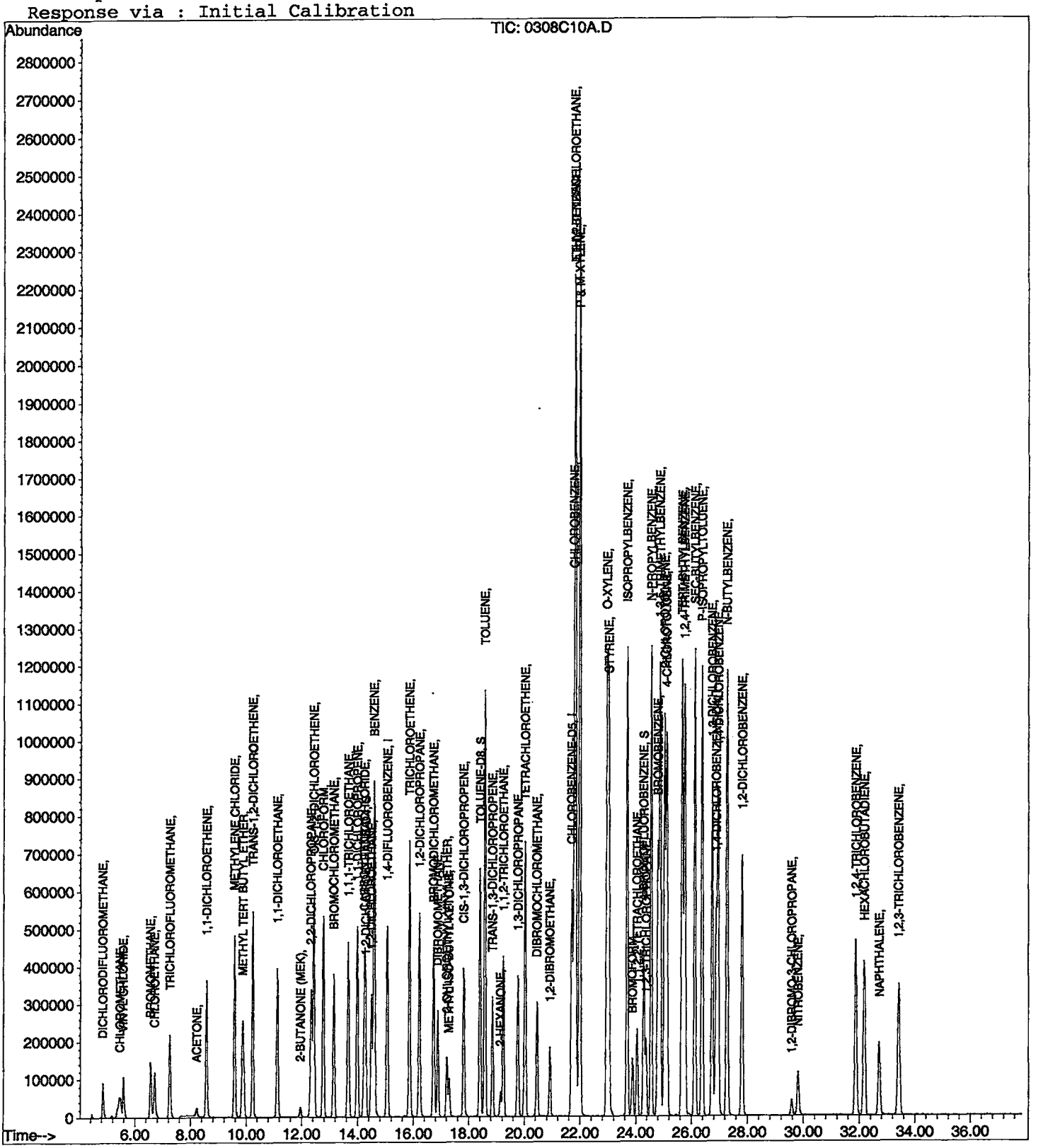
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
49)	O-XYLENE	22.95	91	1684047	15.66	ug/L	98
50)	STYRENE	23.02	104	1155053	14.16	ug/L	97
51)	1,1,2,2-TETRACHLOROETHANE	24.04	83	295998	12.50	ug/L	97
53)	BROMOFORM	23.87	173	152655	13.55	ug/L	99
54)	ISOPROPYLBENZENE	23.68	105	1910275	16.79	ug/L	100
55)	1,2,3-TRICHLOROPROPANE	24.36	110	86090	14.23	ug/L	96
56)	N-PROPYLBENZENE	24.55	91	2385871	16.22	ug/L	99
57)	BROMOBENZENE	24.79	156	458892	14.38	ug/L	93
58)	1,3,5-TRIMETHYLBENZENE	24.86	105	1628381	16.65	ug/L	96
59)	2-CHLOROTOLUENE	25.03	91	1542410	15.53	ug/L	98
60)	4-CHLOROTOLUENE	25.10	91	1461338	16.61	ug/L	97
61)	TERT-BUTYLBENZENE	25.66	119	1503916	16.21	ug/L	93
62)	1,2,4-TRIMETHYLBENZENE	25.74	105	1658415	16.13	ug/L	96
63)	SEC-BUTYLBENZENE	26.12	105	2077321	16.66	ug/L	98
64)	P-ISOPROPYLTOLUENE	26.37	119	1648790	16.80	ug/L	97
65)	1,3-DICHLOROBENZENE	26.73	146	883210	14.56	ug/L	98
66)	1,4-DICHLOROBENZENE	26.95	146	869728	14.02	ug/L	97
67)	N-BUTYLBENZENE	27.26	91	1685958	16.63	ug/L	98
68)	1,2-DICHLOROBENZENE	27.80	146	746244	14.40	ug/L	98
69)	1,2-DIBROMO-3-CHLOROPROPAN	29.57	157	38046	13.31	ug/L	92
70)	1,2,4-TRICHLOROBENZENE	31.87	180	448487	13.67	ug/L	98
71)	HEXACHLOROBUTADIENE	32.18	225	236798	16.04	ug/L	96
72)	NAPHTHALENE	32.71	128	488200	11.83	ug/L	97
73)	1,2,3-TRICHLOROBENZENE	33.40	180	359585	13.43	ug/L	95
74)	NITROBENZENE	29.79	77	172320	238.74	ug/L	96

(#) = qualifier out of range (m) = manual integration
0308C10A.D HP022702.M Sun Mar 10 13:03:36 2002 Page 2

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02MAR08\0308C10A.D Vial: 3
Acq On : 8 Mar 2002 11:23 pm Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 10 13:03 2002 Quant Results File: HP022702.RES

Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/10/2002 Time: 15:58:28

Sample: AE05181
Analysis: S524 Volatile Organic Compounds
Units: ug
Started: 3/9/02 00:02 Ended: 3/9/02 00:02 Analyst: BH
Result source: a:\5181.rr
Page: 1

	Component Name	Viol	Result	MDL
1	Surr - 1,2-DICHLOROETHANE-D		5.7	0.5
2	Surr - 4-BROMOFLUOROBENZE		4.0	0.5
3	Dichlorodifluoromethane		< MDL	0.5
4	Chloromethane		< MDL	0.5
5	Vinyl chloride		< MDL	0.5
6	Bromomethane		< MDL	0.5
7	Chloroethane		< MDL	0.5
8	Trichlorofluoromethane		< MDL	0.5
9	1,1-Dichloroethene		< MDL	0.5
10	Methylene Chloride		< MDL	0.5
11	Methyl tert-butyl ether (MTB		< MDL	1.0
12	trans-1,2-dichloroethene		< MDL	0.5
13	1,1-dichloroethane		< MDL	0.5
14	2-butanone (MEK)		< MDL	2.0
15	2,2-dichloropropane		< MDL	0.5
16	cis-1,2-dichloroethene		< MDL	0.5
17	*THM-Chloroform		< MDL	0.5
18	Bromochloromethane		< MDL	0.5
19	1,2-dichloroethane		< MDL	0.5
20	Surr - TOLUENE-D8		5.4	0.5
21	1,1,1- trichloroethane		< MDL	0.5
22	1,1-dichloropropene		< MDL	0.5
23	Carbon tetrachloride		< MDL	0.5
24	Benzene		< MDL	0.5
25	Trichloroethene		< MDL	0.5
26	1,2-dichloropropane		< MDL	0.5
27	Dibromomethane		< MDL	0.5
28	*THM-Bromodichloromethar		< MDL	0.5
29	Methyl iso-butyl ketone (MIB		< MDL	1.0
30	cis-1,3-dichloropropene		< MDL	0.5
31	Toluene		< MDL	0.5
32	trans-1,3-dichloropropene		< MDL	0.5
33	1,1,2-trichloroethane		< MDL	0.5
34	Tetrachloroethene		< MDL	0.5
35	1,3-dichloropropane		< MDL	0.5
36	*THM-Dibromochloromethar		< MDL	2.0
37	Chlorobenzene		< MDL	0.5
38	1,1,1,2-tetrachloroethane		< MDL	0.5
39	Ethylbenzene		< MDL	0.5
40	P & M-xylene		< MDL	0.5
41	O-xylene		< MDL	0.5
42	Styrene		< MDL	0.5
43	1,1,2,2-tetrachloroethane		< MDL	0.5
44	*THM-Bromoform		< MDL	2.0
45	Isopropylbenzene		< MDL	0.5
46	1,2,3-trichloropropane		< MDL	0.5
47	N-propylbenzene		< MDL	0.5

REVIEWED BY AP
DATE 3/15/02

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/10/2002 Time: 15:58:28

Sample: AE05181
Analysis: S524 Volatile Organic Compounds
Units: ug
Started: 3/9/02 00:02 Ended: 3/9/02 00:02 Analyst: BH
Result source: a:\5181.rr
Page: 2

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02MAR08\5181.D Vial: 17
Acq On : 9 Mar 2002 12:07 am Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 10 13:19 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.05	114	1270867	5.00	ug/L	-0.12
24) CHLOROBENZENE-D5	21.71	117	1192387	5.00	ug/L	-0.12
52) 1,4-DICHLOROBENZENE-D4	26.88	152	531703	5.00	ug/L	-0.12
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.29	65	471280	5.73	ug/L	-0.12
Spiked Amount 5.000			Recovery =	114.60%		
3) 4-BROMOFLUOROBENZENE	24.30	174	413708	4.02	ug/L	-0.12
Spiked Amount 5.000			Recovery =	80.40%		
25) TOLUENE-D8	18.41	98	1543118	5.37	ug/L	-0.12
Spiked Amount 5.000			Recovery =	107.40%		
Target Compounds						Qvalue
12) ACETONE 29	8.22	43	187732	28.87	ug/L	98
14) METHYLENE CHLORIDE	9.57	49	63397	~~0.97 ug/L~~		98
18) 2-BUTANONE (MEK)	11.95	43	1781	0.13	ug/L	60

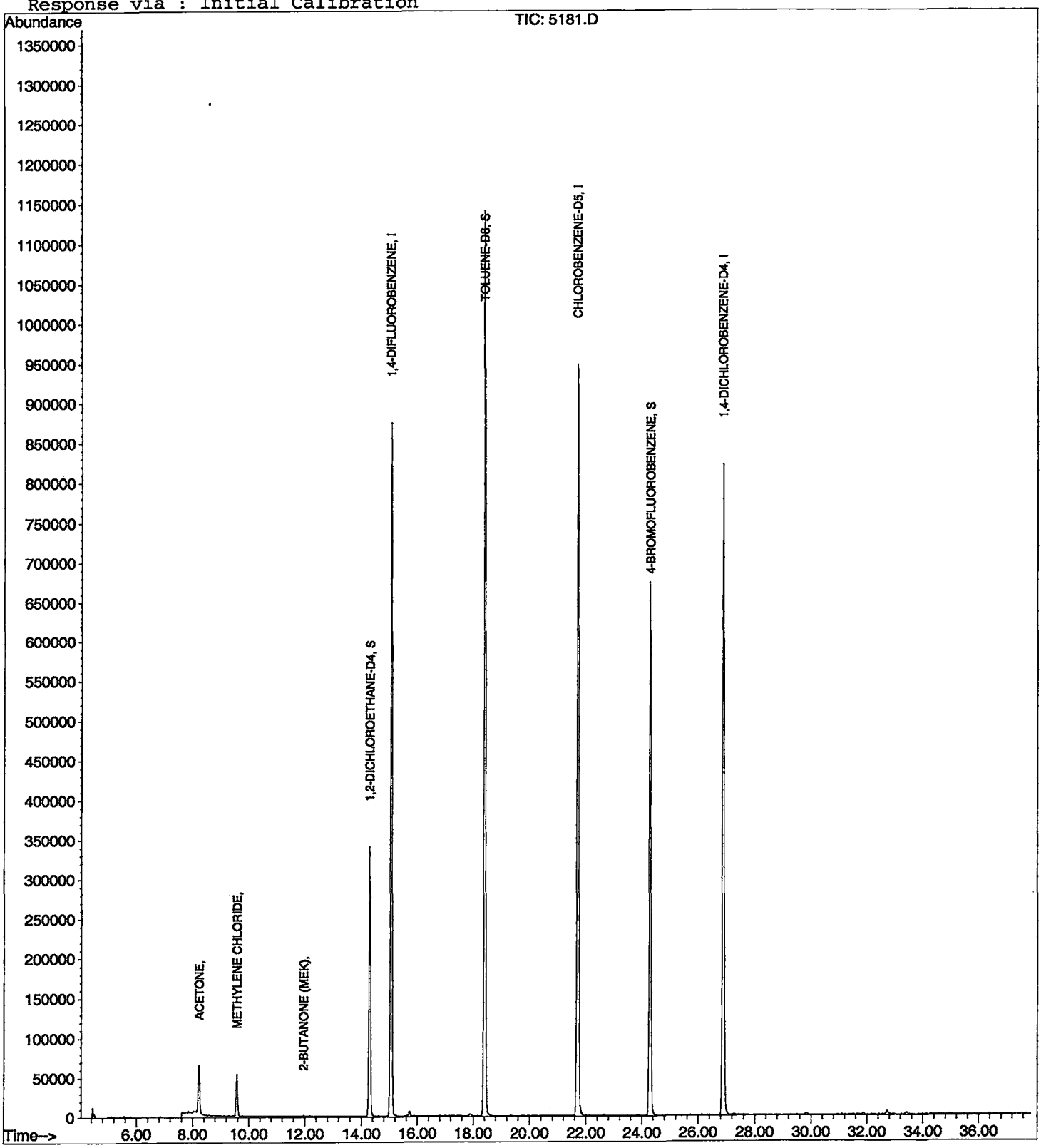
(#) = qualifier out of range (m) = manual integration
5181.D HP022702.M Sun Mar 10 13:19:50 2002 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02MAR08\5181.D
Acq On : 9 Mar 2002 12:07 am
Sample : nyc
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 10 13:19 2002

Vial: 17
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP022702.RES

Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02MAR08\5181.D Vial: 17
Acq On : 9 Mar 2002 12:07 am Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

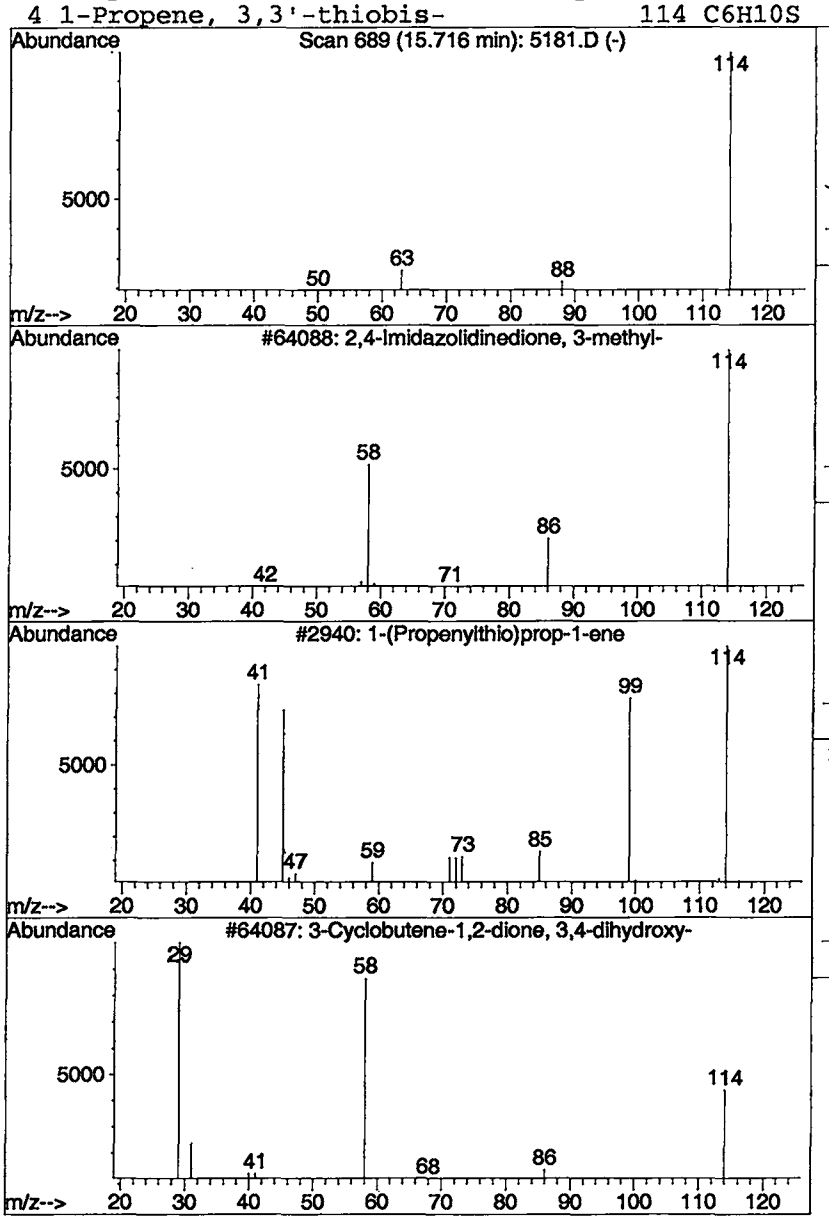
Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

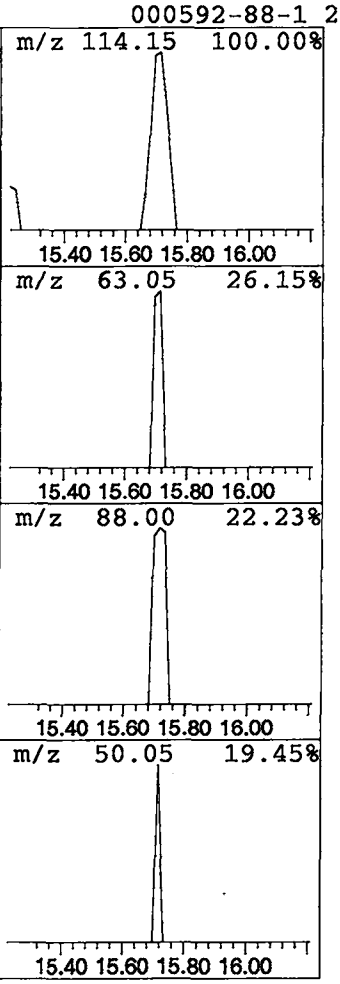
****

Peak Number 1 2,4-Imidazolidinedione, 3-meth Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	0.03 ug/L	18649	1,4-DIFLUOROBENZENE	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Imidazolidinedione, 3-methyl-	114	C4H6N2O2	006843-45-4	3
2	1-(Propenylthio)prop-1-ene	114	C6H10S	000000-00-0	3
3	3-Cyclobutene-1,2-dione, 3,4-dihydr	114	C4H2O4	002892-51-5	2
4	1-Propene, 3,3'-thiobis-	114	C6H10S	000592-88-1	2





User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/14/2002 Time: 09:12:16

Sample: AE05177
Analysis: $B1524 Volatile Organic Compounds-Blank
Units: ug
Started: 3/11/02 00:08 Ended: 3/11/02 00:08 Analyst: BH
Result source: a:\0311b1.rr
Page: 1

	Component Name	Vial	Result
1	Surr - 1,2-DICHLOROETHANE-		5.9
2	Surr - 4-BROMOFLUOROBENZ		4.5
3	DICHLORODIFLUOROMETHAN		< MDL
4	CHLOROMETHANE		< MDL
5	VINYL CHLORIDE		< MDL
6	BROMOMETHANE		< MDL
7	CHLOROETHANE		< MDL
8	TRICHLOROFLUOROMETHAN		< MDL
9	ACETONE		0.78
10	1,1-DICHLOROETHENE		< MDL
11	METHYLENE CHLORIDE		0.76
12	METHYL TERT BUTYL ETHER		< MDL
13	TRANS-1,2-DICHLOROETHEN		< MDL
14	1,1-DICHLOROETHANE		< MDL
15	2-BUTANONE (MEK)		< MDL
16	2,2-DICHLOROPROPANE		< MDL
17	CIS,1,2-DICHLOROETHENE		< MDL
18	CHLOROFORM		0.20
19	BROMOCHLOROMETHANE		< MDL
20	1,2-DICHLOROETHANE		< MDL
21	Surr - TOLUENE-D8		5.1
22	1,1,1-TRICHLOROETHANE		< MDL
23	1,1-DICHLOROPROPENE		< MDL
24	CARBON TETRACHLORIDE		< MDL
25	BENZENE		< MDL
26	TRICHLOROETHENE		< MDL
27	1,2-DICHLOROPROPANE		< MDL
28	DIBROMOMETHANE		< MDL
29	BROMODICHLOROMETHANE		< MDL
30	2-CHLOROETHYL VINYL ETHE		< MDL
31	MIBK		< MDL
32	CIS-1,3-DICHLOROPROPENE		< MDL
33	TOLUENE		< MDL
34	TRANS-1,3-DICHLOROPROPE		< MDL
35	1,1,2-TRICHLOROETHANE		< MDL
36	TETRACHLOROETHENE		< MDL
37	1,3-DICHLOROPROPANE		< MDL
38	DIBROMOCHLOROMETHANE		< MDL
39	1,2-DIBROMOETHANE		< MDL
40	CHLOROBENZENE		< MDL
41	1,1,1,2-TETRACHLOROETHA		< MDL
42	2-HEXANONE		< MDL
43	ETHYLBENZENE		< MDL
44	P & M-XYLENE		< MDL
45	O-XYLENE		< MDL
46	STYRENE		< MDL
47	1,1,2,2-TETRACHLOROETHA		< MDL
48	BROMOFORM		< MDL

water from DI tap - not boiled

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/14/2002 Time: 09:12:16

Sample: AE05177
Analysis: $B1524 Volatile Organic Compounds-Blank
Units: ug
Started: 3/11/02 00:08 Ended: 3/11/02 00:08 Analyst: BH
Result source: a:\0311b1.rr
Page: 2

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02mar11\0311B1.D Vial: 1
Acq On : 11 Mar 2002 8:30 am Operator: 201-wb
Sample : lab blank Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 11 9:09 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.00	114	1526612	5.00	ug/L	-0.17
24) CHLOROBENZENE-D5	21.66	117	1461549	5.00	ug/L	-0.17
52) 1,4-DICHLOROBENZENE-D4	26.85	152	696018	5.00	ug/L	-0.15
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.23	65	585338	5.93	ug/L	-0.17
Spiked Amount 5.000			Recovery = 118.60%			
3) 4-BROMOFLUOROBENZENE	24.24	174	554660	4.49	ug/L	-0.17
Spiked Amount 5.000			Recovery = 89.80%			
25) TOLUENE-D8	18.35	98	1813625	5.15	ug/L	-0.17
Spiked Amount 5.000			Recovery = 103.00%			
Target Compounds						Qvalue
12) ACETONE	8.17	43	6086	0.78	ug/L	52
14) METHYLENE CHLORIDE	9.52	49	59674	0.76	ug/L	93
21) CHLOROFORM	12.72	83	23277	0.20	ug/L	99

↓
water from DI tap - not boiled

(#) = qualifier out of range (m) = manual integration
0311B1.D HP022702.M Mon Mar 11 09:09:22 2002 Page 1

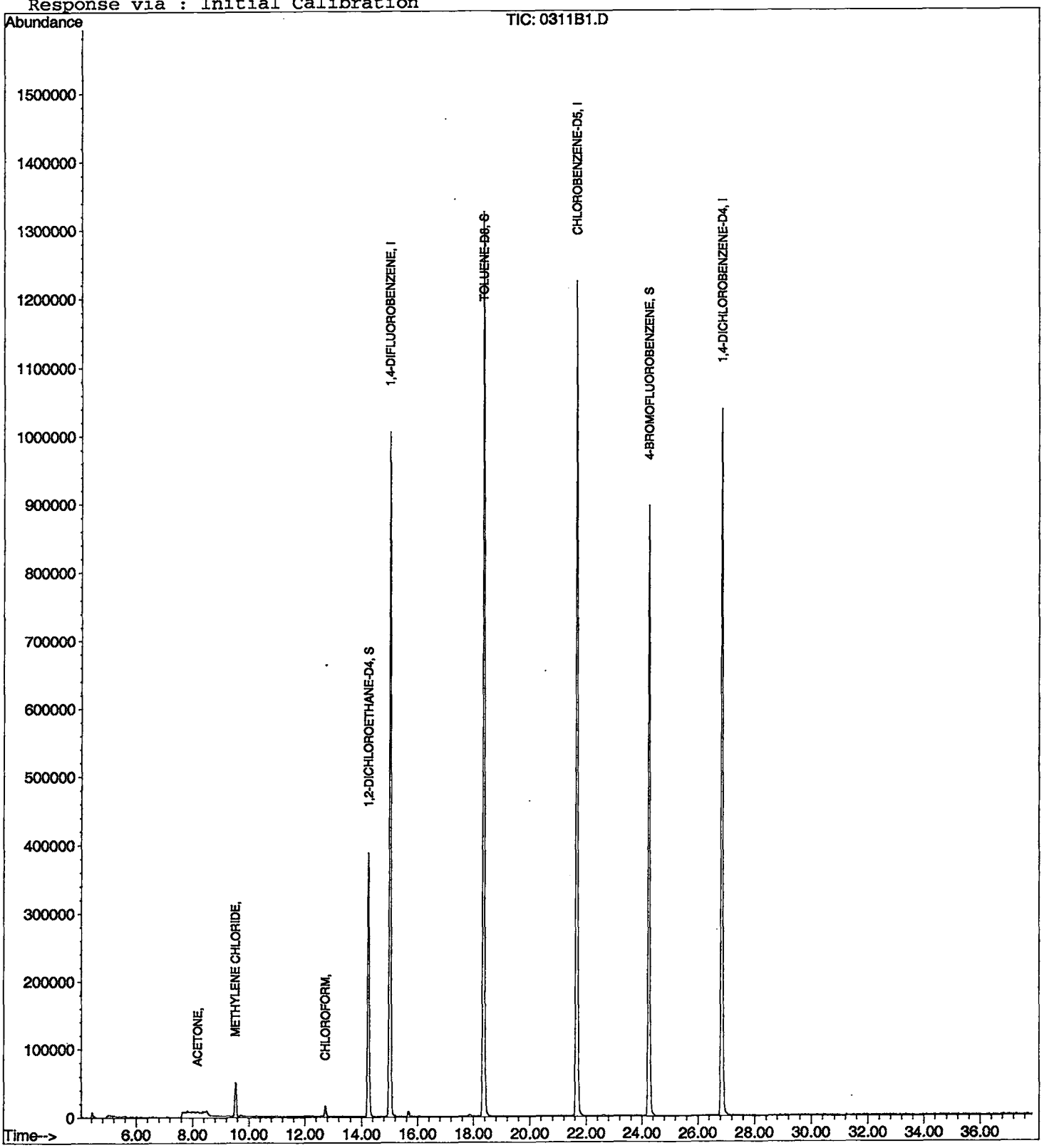
Quantitation Report

Data File : C:\HPCHEM\1\DATA\02mar11\0311B1.D
Acq On : 11 Mar 2002 8:30 am
Sample : lab blank
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 11 9:09 2002

Vial: 1
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: HP022702.RES

Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/14/2002 Time: 09:11:24

Sample: AE05177
Analysis: $C1524 Volatile Organic Compounds-Cal 1
Units: ug
Started: 3/11/02 00:09 Ended: 3/11/02 00:09 Analyst: BH
Result source: a:\0311c10.rr
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Surr_1,2-DICHLOROETHANE-		6.1		.5
2	Surr_4-BROMOFLUOROBENZE		4.8		.5
3	Dichlorodifluoromethane		12		.5
4	Chloromethane		10		.5
5	Vinyl chloride		8.9		.5
6	Bromomethane		10		.5
7	Chloroethane		11		.5
8	Trichlorofluoromethane		10		.5
9	1,1-Dichloroethene		12		.5
10	Methylene Chloride		13		.5
11	Methyl tert-butyl ether		9.4		1.0
12	trans-1,2-dichloroethene		9.3		.5
13	1,1-dichloroethane		8.8		.5
14	2-butanone (MEK)		10		2.0
15	2,2-dichloropropane		9.2		.5
16	cis-1,2-dichloroethene		8.9		.5
17	Chloroform		9.0		.5
18	Bromochloromethane		7.8		.5
19	1,2-dichloroethane		10		.5
20	Surr_TOLUENE-D8		5.1		.5
21	1,1,1- trichloroethane		9.9		.5
22	1,1-dichloropropene		9.8		.5
23	Carbon tetrachloride		10		.5
24	Benzene		8.7		.5
25	Trichloroethene		9.1		.5
26	1,2-dichloropropane		7.9		.5
27	Dibromomethane		8.7		.5
28	Bromodichloromethane		9.5		.5
29	Methyl iso-butyl ketone		8.2		1.0
30	cis-1,3-dichloropropene		8.8		.5
31	Toluene		8.5		.5
32	trans-1,3-dichloropropene		9.3		.5
33	1,1,2-trichloroethane		8.5		.5
34	Tetrachloroethene		8.4		.5
35	1,3-dichloropropane		8.6		.5
36	Dibromochloromethane		9.2		2.0
37	Chlorobenzene		8.4		.5
38	1,1,1,2-tetrachloroethane		8.9		.5
39	Ethylbenzene		8.8		.5
40	P & M-xylene		17		.5
41	O-xylene		8.9		.5
42	Styrene		8.5		.5
43	1,1,2,2-tetrachloroethane		7.9		.5
44	Bromoform		9.5		2.0
45	Isopropylbenzene		8.8		.5
46	1,2,3-trichloropropane		9.2		.5
47	N-propylbenzene		8.8		.5
48	Bromobenzene		8.5		.5

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/14/2002 Time: 09:11:24

Sample: AE05177
Analysis: $C1524 Volatile Organic Compounds-Cal 1
Units: ug
Started: 3/11/02 00:09 Ended: 3/11/02 00:09 Analyst: BH
Result source: a:\0311c10.rr
Page: 2

	Component Name	Vial	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		9.1		.5
50	2-chlorotoluene		8.7		.5
51	4-chlorotoluene		8.6		.5
52	TERT-butylbenzene		8.7		.5
53	1,2,4-trimethylbenzene		9.1		.5
54	SEC-butylbenzene		8.8		.5
55	P-isopropyltoluene		8.9		.5
56	1,3-dichlorobenzene		8.2		.5
57	1,4-dichlorobenzene		8.2		.5
58	N-butylbenzene		8.7		.5
59	1,2-dichlorobenzene		8.5		.5
60	1,2,4-trichlorobenzene		8.4		.5
61	Hexachlobutadiene		8.7		.5
62	Naphthalene		8.9		.5
63	1,2,3-trichlorobenzene		8.3		.5
64	Nitrobenzene		190		5.0

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02mar11\0311C10.D Vial: 2
Acq On : 11 Mar 2002 9:17 am Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 11 9:56 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.02	114	1681296	5.00	ug/L	-0.15
24) CHLOROBENZENE-D5	21.67	117	1638991	5.00	ug/L	-0.15
52) 1,4-DICHLOROBENZENE-D4	26.85	152	853433	5.00	ug/L	-0.15
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.25	65	663967	6.11	ug/L	-0.15
Spiked Amount 5.000			Recovery = 122.20%			
3) 4-BROMOFLUOROBENZENE	24.26	174	654059	4.81	ug/L	-0.15
Spiked Amount 5.000			Recovery = 96.20%			
25) TOLUENE-D8	18.37	98	2021551	5.12	ug/L	-0.15
Spiked Amount 5.000			Recovery = 102.40%			
Target Compounds						Qvalue
4) DICHLORODIFLUOROMETHANE	4.81	85	557920	11.69	ug/L	98
5) CHLOROMETHANE	5.43	50	503729	10.03	ug/L	99
6) VINYL CHLORIDE	5.54	62	245223	8.92	ug/L	98
7) BROMOMETHANE	6.53	94	331505	10.45	ug/L	91
8) CHLOROETHANE	6.66	64	311680	11.17	ug/L	96
9) TRICHLOROFLUOROMETHANE	7.21	101	636616	10.32	ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	8.11	101	377069	14.40	ug/L	97
12) ACETONE	8.19	43	123785	14.39	ug/L	98
13) 1,1-DICHLOROETHENE	8.53	61	912004	12.46	ug/L	98
14) METHYLENE CHLORIDE	9.54	49	1100279	12.75	ug/L	97
15) METHYL TERT BUTYL ETHER	9.84	73	932474	9.43	ug/L	95
16) TRANS-1,2-DICHLOROETHENE	10.20	61	922247	9.29	ug/L	99
17) 1,1-DICHLOROETHANE	11.08	63	1078257	8.79	ug/L	100
18) 2-BUTANONE (MEK)	11.92	43	184874	10.04	ug/L	92
19) 2,2-DICHLOROPROPANE	12.31	77	835764	9.25	ug/L	100
20) CIS-1,2-DICHLOROETHENE	12.40	96	669762	8.88	ug/L	99
21) CHLOROFORM	12.74	83	1164187	9.04	ug/L	99
22) BROMOCHLOROMETHANE	13.11	49	497537	7.84	ug/L	95
23) 1,2-DICHLOROETHANE	14.46	62	815490	10.02	ug/L	99
26) 1,1,1-TRICHLOROETHANE	13.62	97	871861	9.94	ug/L	99
27) 1,1-DICHLOROPROPENE	13.95	75	837876	9.75	ug/L	96
28) CARBON TETRACHLORIDE	14.22	117	752952	10.24	ug/L	99
29) BENZENE	14.56	78	2122854	8.74	ug/L	98
30) TRICHLOROETHENE	15.82	95	647829	9.06	ug/L	98
31) 1,2-DICHLOROPROPANE	16.18	63	560043	7.94	ug/L	99
32) DIBROMOMETHANE	16.86	174	320809	8.67	ug/L	99
33) BROMODICHLOROMETHANE	16.70	83	839747	9.49	ug/L	100
34) 2-CHLOROETHYL VINYL ETHER	17.18	63	204322	9.13	ug/L	95
35) METHYL ISO-BUTYL KETONE	17.26	58	103630	8.24	ug/L	99
36) CIS-1,3-DICHLOROPROPENE	17.79	75	843857	8.77	ug/L	99
37) TOLUENE	18.54	91	2265154	8.48	ug/L	99
38) TRANS-1,3-DICHLOROPROPENE	18.83	75	637619	9.26	ug/L	99
39) 1,1,2-TRICHLOROETHANE	19.21	97	390276	8.50	ug/L	96
40) TETRACHLOROETHENE	19.99	166	640742	8.35	ug/L	98
41) 1,3-DICHLOROPROPANE	19.75	76	720024	8.56	ug/L	99
42) DIBROMOCHLOROMETHANE	20.43	129	505506	9.18	ug/L	99
43) 1,2-DIBROMOETHANE	20.87	107	405392	8.67	ug/L	98
44) CHLOROBENZENE	21.76	112	1529717	8.36	ug/L	99
45) 1,1,1,2-TETRACHLOROETHANE	21.81	131	542911	8.94	ug/L	96
46) 2-HEXANONE	19.10	43	179273	5.60	ug/L	92
47) ETHYLBENZENE	21.81	91	2670410	8.81	ug/L	99

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02mar11\0311C10.D Vial: 2
Acq On : 11 Mar 2002 9:17 am Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 11 9:56 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
48)	P & M-XYLENE	21.96	106	1855594	16.98	ug/L	94
49)	O-XYLENE	22.93	91	2136221	8.89	ug/L	97
50)	STYRENE	22.99	104	1546601	8.49	ug/L	95
51)	1,1,2,2-TETRACHLOROETHANE	24.01	83	417851	7.90	ug/L	99
53)	BROMOFORM	23.85	173	254291	9.53	ug/L	95
54)	ISOPROPYLBENZENE	23.67	105	2384393	8.85	ug/L	100
55)	1,2,3-TRICHLOROPROPANE	24.35	110	131181	9.15	ug/L	94
56)	N-PROPYLBENZENE	24.53	91	3060411	8.79	ug/L	96
57)	BROMOBENZENE	24.77	156	638710	8.45	ug/L	97
58)	1,3,5-TRIMETHYLBENZENE	24.84	105	2098118	9.06	ug/L	96
59)	2-CHLOROTOLUENE	25.01	91	2048550	8.71	ug/L	100
60)	4-CHLOROTOLUENE	25.08	91	1801927	8.65	ug/L	100
61)	TERT-BUTYLBENZENE	25.64	119	1919981	8.74	ug/L	94
62)	1,2,4-TRIMETHYLBENZENE	25.73	105	2211908	9.09	ug/L	93
63)	SEC-BUTYLBENZENE	26.10	105	2607124	8.83	ug/L	98
64)	P-ISOPROPYLTOLUENE	26.36	119	2058174	8.86	ug/L	96
65)	1,3-DICHLOROBENZENE	26.71	146	1184756	8.25	ug/L	97
66)	1,4-DICHLOROBENZENE	26.92	146	1210870	8.24	ug/L	97
67)	N-BUTYLBENZENE	27.24	91	2088698	8.70	ug/L	99
68)	1,2-DICHLOROBENZENE	27.79	146	1040771	8.48	ug/L	98
69)	1,2-DIBROMO-3-CHLOROPROPAN	29.56	157	65436	9.67	ug/L	99
70)	1,2,4-TRICHLOROBENZENE	31.84	180	650196	8.37	ug/L	96
71)	HEXACHLOROBUTADIENE	32.14	225	305862	8.75	ug/L	97
72)	NAPHTHALENE	32.67	128	867543	8.88	ug/L	98
73)	1,2,3-TRICHLOROBENZENE	33.39	180	527187	8.32	ug/L	99
74)	NITROBENZENE	29.76	77	328825	192.40	ug/L	92

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

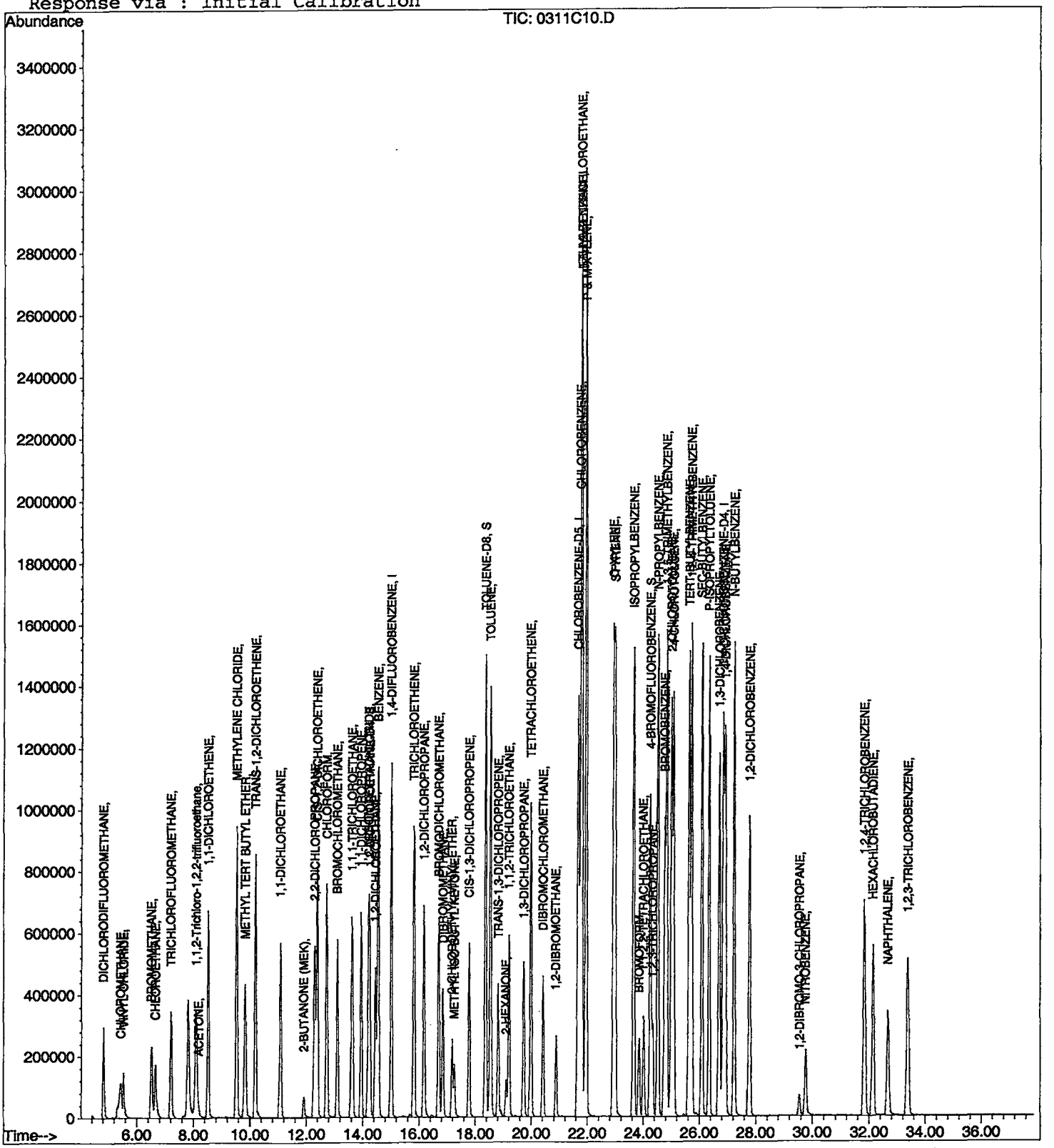
Quantitation Report

Data File : C:\HPCHEM\1\DATA\02mar11\0311C10.D
Acq On : 11 Mar 2002 9:17 am
Sample : cal 10
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 11 9:56 2002

Vial: 2
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: HP022702.RES

Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/14/2002 Time: 09:14:56

Sample: AE05177
Analysis: $RE524 Reference recovery for 524
Units: ug
Started: 3/11/02 00:02 Ended: 3/11/02 00:02 Analyst: BH
Result source: a:\0311r5a.rr
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	1,2-DICHLOROETHANE-D4		6.0		
2	4-BROMOFLUOROBENZENE		4.7		
3	DICHLORODIFLUOROMETHAN		5.3		.5
4	CHLOROMETHANE		4.5		.5
5	VINYL CHLORIDE		5.6		.5
6	BROMOMETHANE		4.9		.5
7	CHLOROETHANE		5.1		.5
8	TRICHLOROFLUOROMETHAN		4.4		.5
9	ACETONE		7.3		.5
10	1,1-DICHLOROETHENE		6.5		.5
11	METHYLENE CHLORIDE		5.9		.5
12	METHYL TERT BUTYL ETHER		4.7		1
13	TRANS-1,2-DICHLOROETHEN		5.0		.5
14	1,1-DICHLOROETHANE		4.9		.5
15	2-BUTANONE (MEK)		3.6		.5
16	2,2-DICHLOROPROPANE		5.1		.5
17	CIS-1,2-DICHLOROETHENE		4.9		.5
18	CHLOROFORM		5.0		.5
19	BROMOCHLOROMETHANE		4.2		.5
20	1,2-DICHLOROETHANE		5.5		.5
21	TOLUENE-D8		5.2		
22	1,1,1-TRICHLOROETHANE		5.6		.5
23	1,1-DICHLOROPROPENE		5.7		.5
24	CARBON TETRACHLORIDE		5.7		.5
25	BENZENE		5.1		.5
26	TRICHLOROETHENE		5.3		.5
27	1,2-DICHLOROPROPANE		4.6		.5
28	DIBROMOMETHANE		4.5		.5
29	BROMODICHLOROMETHANE		5.2		.5
30	2-CHLOROETHYL VINYL ETHE		4.6		.5
31	METHYL ISO-BUTYL KETONE		3.7		1
32	CIS-1,3-DICHLOROPROPENE		4.7		.5
33	TOLUENE		5.0		.5
34	TRANS-1,3-DICHLOROPROPE		5.1		.5
35	1,1,2-TRICHLOROETHANE		4.7		.5
36	TETRACHLOROETHENE		4.9		.5
37	1,3-DICHLOROPROPANE		4.7		.5
38	DIBROMOCHLOROMETHANE		4.8		2
39	1,2-DIBROMOETHANE		4.6		.5
40	CHLOROBENZENE		4.8		.5
41	1,1,1,2-TETRACHLOROETHA		5.1		.5
42	2-HEXANONE		2.8		.5
43	ETHYLBENZENE		5.2		.5
44	P & M-XYLENE		10		.5
45	O-XYLENE		5.2		.5
46	STYRENE		4.7		.5
47	1,1,2,2-TETRACHLOROETHA		4.2		.5
48	BROMOFORM		4.7		2

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/14/2002 Time: 09:14:56

Sample: AE05177
Analysis: $RE524 Reference recovery for 524
Units: ug
Started: 3/11/02 00:02 Ended: 3/11/02 00:02 Analyst: BH
Result source: a:\0311r5a.rr
Page: 2

	Component Name	Vial	Result	Qualifier	MDL
49	ISOPROPYLBENZENE		5.2		.5
50	1,2,3-TRICHLOROPROPANE		4.8		.5
51	N-PROPYLBENZENE		5.0		.5
52	BROMOBENZENE		4.7		.5
53	1,3,5-TRIMETHYLBENZENE		5.3		.5
54	2-CHLOROTOLUENE		5.2		.5
55	4-CHLOROTOLUENE		4.9		.5
56	TERT-BUTYLBENZENE		5.1		.5
57	1,2,4-TRIMETHYLBENZENE		5.1		.5
58	SEC-BUTYLBENZENE		5.2		.5
59	P-ISOPROPYLTOLUENE		5.4		.5
60	1,3-DICHLOROBENZENE		4.7		.5
61	1,4-DICHLOROBENZENE		4.7		.5
62	N-BUTYLBENZENE		5.2		.5
63	1,2-DICHLOROBENZENE		4.7		.5
64	1,2-DIBROMO-3-CHLOROPRO		4.7		.5
65	1,2,4-TRICHLOROBENZENE		4.6		.5
66	HEXACHLOROBUTADIENE		5.2		.5
67	NAPHTHALENE		4.6		.5
68	1,2,3-TRICHLOROBENZENE		4.6		.5
69	ETHANOL		< MDL		30
70	NITROBENZENE		88		5.0

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/14/2002 Time: 09:17:11

Sample: AE05177
Analysis: $Q_524 Volatile Organic Compounds-Reference Rec
Units: ug
Started: 3/14/02 09:15 Ended: 3/14/02 09:15 Analyst: BH
Result source: calculation
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Surr - 1,2-DICHLOROETHANE-		6		.5
2	Surr - 4-BROMOFLUOROBENZ		4.7		.5
3	Dichlorodifluoromethane		106		.5
4	Chloromethane		90		.5
5	Vinyl chloride		112		.5
6	Bromomethane		98		.5
7	Chloroethane		102		.5
8	Trichlorofluoromethane		88		.5
9	1,1-Dichloroethene		130		.5
10	Methylene Chloride		118		.5
11	Methyl tert butyl ether		94		1.0
12	trans-1,2-dichloroethene		100		.5
13	1,1-dichloroethane		98		.5
14	2-butanone (MEK)		72		2.0
15	2,2-dichloropropane		102		.5
16	cis-1,2-dichloroethene		98		.5
17	Chloroform		100		.5
18	Bromochloromethane		84		.5
19	1,2-dichloroethane		110		.5
20	Surr - TOLUENE-D8		5.2		.5
21	1,1,1-trichloroethane		112		.5
22	1,1-dichloropropene		114		.5
23	Carbon tetrachloride		114		.5
24	Benzene		102		.5
25	Trichloroethene		106		.5
26	1,2-dichloropropane		92		.5
27	Dibromomethane		90		.5
28	Bromodichloromethane		104		.5
29	Methyl iso-butyl ketone		74		1.0
30	cis-1,3-dichloropropene		94		.5
31	Toluene		100		.5
32	trans-1,3-dichloropropene		102		.5
33	1,1,2-trichloroethane		94		.5
34	Tetrachloroethene		98		.5
35	1,3-dichloropropane		94		.5
36	Dibromochloromethane		96		2.0
37	Chlorobenzene		96		.5
38	1,1,1,2-tetrachloroethane		102		.5
39	Ethylbenzene		104		.5
40	P & M-xylene		100		.5
41	O-xylene		104		.5
42	Styrene		94		.5
43	1,1,2,2-tetrachloroethane		84		.5
44	Bromoform		94		2.0
45	Isopropylbenzene		104		.5
46	1,2,3-trichloropropane		96		.5
47	N-propylbenzene		100		.5
48	Bromobenzene		94		.5

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 03/14/2002 Time: 09:17:11

Sample: AE05177
Analysis: $Q_524 Volatile Organic Compounds-Reference Rec
Units: ug
Started: 3/14/02 09:15 Ended: 3/14/02 09:15 Analyst: BH
Result source: calculation
Page: 2

	Component Name	Vial	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		106		.5
50	2-chlorotoluene		104		.5
51	4-chlorotoluene		98		.5
52	TERT-butylbenzene		102		.5
53	1,2,4-trimethylbenzene		102		.5
54	SEC-butylbenzene		104		.5
55	P-isopropyltoluene		108		.5
56	1,3-dichlorobenzene		94		.5
57	1,4-dichlorobenzene		94		.5
58	N-butylbenzene		104		.5
59	1,2-dichlorobenzene		94		.5
60	1,2,4-trichlorobenzene		92		.5
61	Hexachlorobutadiene		104		.5
62	Naphthalene		92		.5
63	1,2,3-trichlorobenzene		92		.5
64	Ethanol				
65	Nitrobenzene		88		5.0

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02mar11\0311R5.D Vial: 3
Acq On : 11 Mar 2002 10:25 am Operator: 201-wb
Sample : ref 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 11 11:03 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.02	114	1987654	5.00	ug/L	-0.15
24) CHLOROBENZENE-D5	21.67	117	1920168	5.00	ug/L	-0.15
52) 1,4-DICHLOROBENZENE-D4	26.85	152	981605	5.00	ug/L	-0.15
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.25	65	770897	6.00	ug/L	-0.15
Spiked Amount 5.000			Recovery =	120.00%		
3) 4-BROMOFLUOROBENZENE	24.26	174	757739	4.71	ug/L	-0.15
Spiked Amount 5.000			Recovery =	94.20%		
25) TOLUENE-D8	18.37	98	2410032	5.21	ug/L	-0.15
Spiked Amount 5.000			Recovery =	104.20%		
Target Compounds						Qvalue
4) DICHLORODIFLUOROMETHANE	4.83	85	278538	5.32	ug/L	99
5) CHLOROMETHANE	5.43	50	259756	4.52	ug/L	99
6) VINYL CHLORIDE	5.55	62	192896	5.59	ug/L	100
7) BROMOMETHANE	6.54	94	170701	4.93	ug/L	96
8) CHLOROETHANE	6.66	64	160614	5.08	ug/L	98
9) TRICHLOROFLUOROMETHANE	7.21	101	321840	4.42	ug/L	99
12) ACETONE	8.19	43	73049	7.18	ug/L	96
13) 1,1-DICHLOROETHENE	8.53	61	424972	4.91	ug/L	94
14) METHYLENE CHLORIDE	9.54	49	513233	5.03	ug/L	98
15) METHYL TERT BUTYL ETHER	9.84	73	457993	3.92	ug/L	98
16) TRANS-1,2-DICHLOROETHENE	10.20	61	495696	4.22	ug/L	99
17) 1,1-DICHLOROETHANE	11.08	63	582835	4.02	ug/L	98
18) 2-BUTANONE (MEK)	11.94	43	69821	3.21	ug/L	98
19) 2,2-DICHLOROPROPANE	12.31	77	464004	4.34	ug/L	96
20) CIS-1,2-DICHLOROETHENE	12.40	96	357234	4.01	ug/L	97
21) CHLOROFORM	12.74	83	633937	4.16	ug/L	99
22) BROMOCHLOROMETHANE	13.11	49	257824	3.44	ug/L	97
23) 1,2-DICHLOROETHANE	14.46	62	435666	4.53	ug/L	99
26) 1,1,1-TRICHLOROETHANE	13.62	97	482467	4.70	ug/L	98
27) 1,1-DICHLOROPROPENE	13.94	75	481313	4.78	ug/L	96
28) CARBON TETRACHLORIDE	14.22	117	417590	4.85	ug/L	98
29) BENZENE	14.56	78	1199031	4.21	ug/L	100
30) TRICHLOROETHENE	15.83	95	365172	4.36	ug/L	96
31) 1,2-DICHLOROPROPANE	16.19	63	307543	3.72	ug/L	100
32) DIBROMOMETHANE	16.86	174	163544	3.77	ug/L	98
33) BROMODICHLOROMETHANE	16.70	83	441432	4.26	ug/L	99
34) 2-CHLOROETHYL VINYL ETHER	17.18	63	100266	3.83	ug/L	96
35) METHYL ISO-BUTYL KETONE	17.26	58	46630	3.17	ug/L	100
36) CIS-1,3-DICHLOROPROPENE	17.79	75	431280	3.83	ug/L	98
37) TOLUENE	18.56	91	1300717	4.16	ug/L	99
38) TRANS-1,3-DICHLOROPROPENE	18.83	75	338386	4.20	ug/L	98
39) 1,1,2-TRICHLOROETHANE	19.21	97	208259	3.87	ug/L	100
40) TETRACHLOROETHENE	19.99	166	368962	4.11	ug/L	97
41) 1,3-DICHLOROPROPANE	19.75	76	372539	3.78	ug/L	99
42) DIBROMOCHLOROMETHANE	20.43	129	255749	3.96	ug/L	94
43) 1,2-DIBROMOETHANE	20.89	107	204071	3.73	ug/L	93
44) CHLOROBENZENE	21.76	112	848266	3.95	ug/L	98
45) 1,1,1,2-TETRACHLOROETHANE	21.81	131	296157	4.16	ug/L	95
46) 2-HEXANONE	19.10	43	91319	2.44	ug/L	92
47) ETHYLBENZENE	21.81	91	1516346	4.27	ug/L	100
48) P & M-XYLENE	21.96	106	1045169	8.16	ug/L	94

use these

-3.64%

(#) = qualifier out of range (m) = manual integration
0311R5.D HP022702.M Mon Mar 11 11:03:57 2002 Page 1

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02mar11\0311R5.D Vial: 3
Acq On : 11 Mar 2002 10:25 am Operator: 201-wb
Sample : ref 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 11 11:03 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
49)	O-XYLENE	22.93	91	1165894	4.14	ug/L	98
50)	STYRENE	22.98	104	804709	3.77	ug/L	95
51)	1,1,2,2-TETRACHLOROETHANE	24.02	83	210895	3.40	ug/L	99
53)	BROMOFORM	23.85	173	117138	3.82	ug/L	96
54)	ISOPROPYLBENZENE	23.67	105	1330270	4.29	ug/L	100
55)	1,2,3-TRICHLOROPROPANE	24.35	110	65161	3.95	ug/L	99
56)	N-PROPYLBENZENE	24.53	91	1657174	4.14	ug/L	97
57)	BROMOBENZENE	24.77	156	338309	3.89	ug/L	95
58)	1,3,5-TRIMETHYLBENZENE	24.84	105	1150750	4.32	ug/L	94
59)	2-CHLOROTOLUENE	25.01	91	1087432	4.02	ug/L	99
60)	4-CHLOROTOLUENE	25.08	91	1024839	4.28	ug/L	99
61)	TERT-BUTYLBENZENE	25.64	119	1056416	4.18	ug/L	94
62)	1,2,4-TRIMETHYLBENZENE	25.73	105	1171378	4.18	ug/L	98
63)	SEC-BUTYLBENZENE	26.10	105	1451431	4.27	ug/L	98
64)	P-ISOPROPYLTOLUENE	26.36	119	1176352	4.40	ug/L	96
65)	1,3-DICHLOROBENZENE	26.71	146	642298	3.89	ug/L	97
66)	1,4-DICHLOROBENZENE	26.93	146	642452	3.80	ug/L	98
67)	N-BUTYLBENZENE	27.24	91	1159478	4.20	ug/L	98
68)	1,2-DICHLOROBENZENE	27.79	146	544288	3.86	ug/L	98
69)	1,2-DIBROMO-3-CHLOROPROPAN	29.56	157	28929	3.72	ug/L	91
70)	1,2,4-TRICHLOROBENZENE	31.84	180	347585	3.89	ug/L	98
71)	HEXACHLOROBUTADIENE	32.14	225	179835	4.47	ug/L	93
72)	NAPHTHALENE	32.69	128	418415	3.72	ug/L	99
73)	1,2,3-TRICHLOROBENZENE	33.39	180	285814	3.92	ug/L	98
74)	NITROBENZENE	29.78	77	146338	74.44	ug/L	94

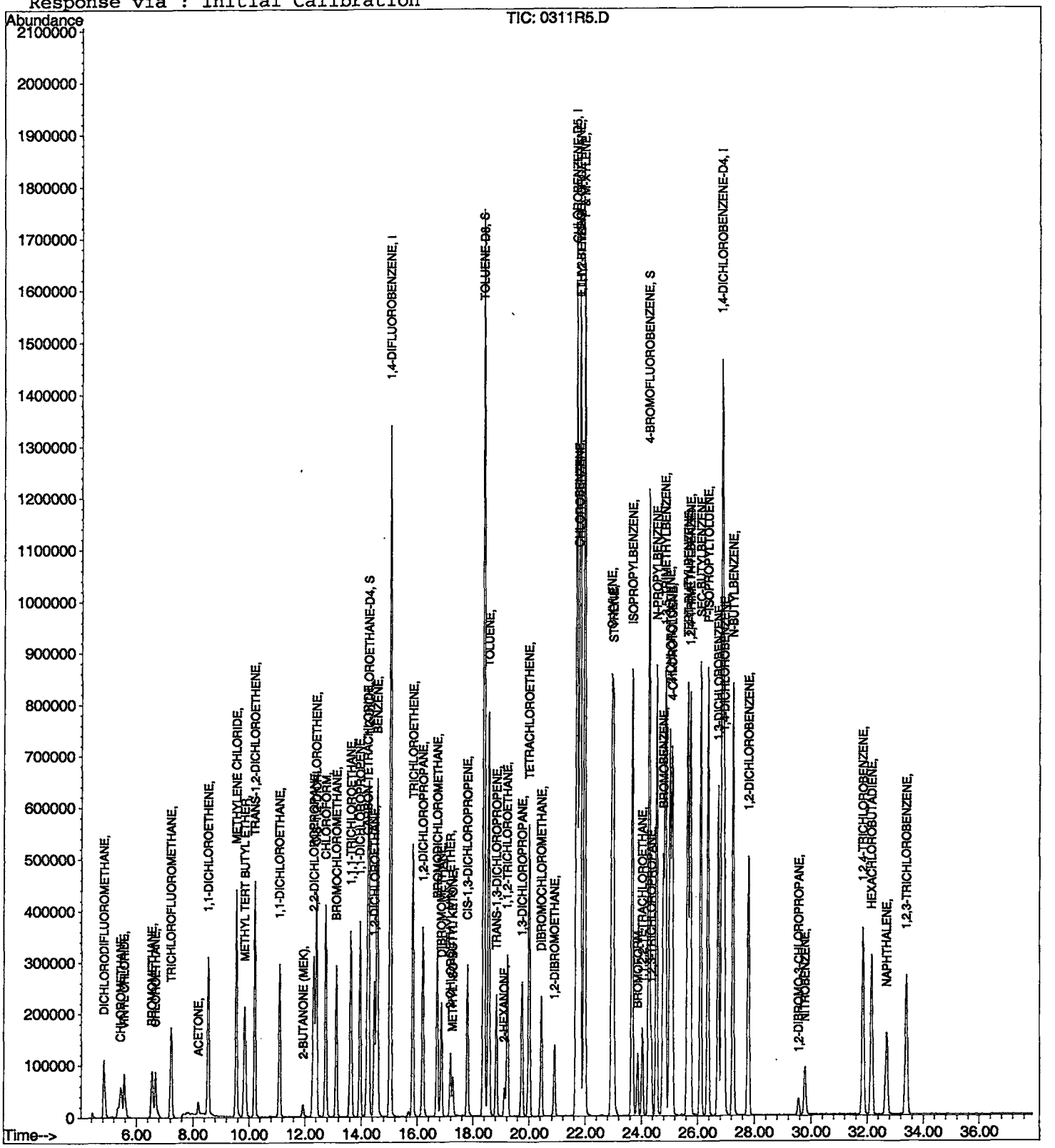
(#) = qualifier out of range (m) = manual integration
0311R5.D HP022702.M Mon Mar 11 11:04:02 2002 Page 2

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02mar11\0311R5.D
Acq On : 11 Mar 2002 10:25 am
Sample : ref 5
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 11 11:03 2002

Vial: 3
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP022702.RES

Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Tue Mar 05 13:20:57 2002
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02mar11\0311B2.D Vial: 4
Acq On : 11 Mar 2002 11:13 am Operator: 201-wb
Sample : Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 11 11:53 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Mar 11 11:11:58 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

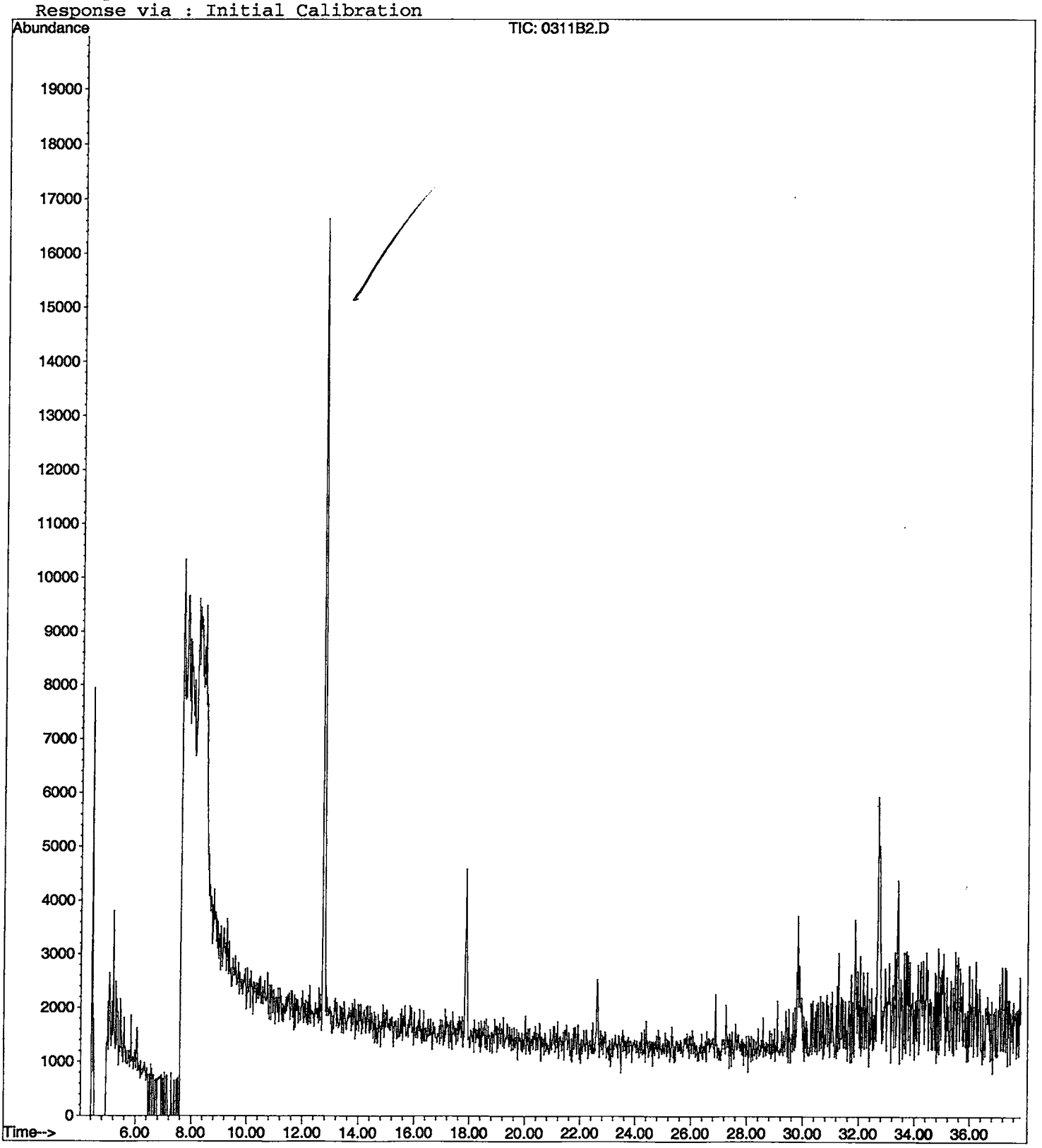
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	0.00	114	0	0.00	ug/L	-15.17
24) CHLOROBENZENE-D5	0.00	117	0	0.00	ug/L	-21.83
52) 1,4-DICHLOROBENZENE-D4	0.00	152	0	0.00	ug/L	-27.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	0.00	65	0	0.00	ug/L	
Spiked Amount 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
0311B2.D HP022702.M Mon Mar 11 11:54:46 2002 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02mar11\0311B2.D Vial: 4
Acq On : 11 Mar 2002 11:13 am Operator: 201-wb
Sample : Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 11 11:53 2002 Quant Results File: HP022702.RES

Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Mar 11 11:11:58 2002
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02mar11\0311R5A.D Vial: 3
Acq On : 11 Mar 2002 12:00 pm Operator: 201-wb
Sample : ref 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 11 12:39 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Mar 11 11:11:58 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.03	114	1682577	5.00	ug/L	-0.14
24) CHLOROBENZENE-D5	21.69	117	1625454	5.00	ug/L	-0.14
52) 1,4-DICHLOROBENZENE-D4	26.87	152	846180	5.00	ug/L	-0.14
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.27	65	652920	6.00	ug/L	-0.14
Spiked Amount 5.000			Recovery =	120.00%		
3) 4-BROMOFLUOROBENZENE	24.28	174	637554	4.68	ug/L	-0.14
Spiked Amount 5.000			Recovery =	93.60%		
25) TOLUENE-D8	18.39	98	2033850	5.19	ug/L	-0.14
Spiked Amount 5.000			Recovery =	103.80%		
Target Compounds						Qvalue
4) DICHLORODIFLUOROMETHANE	4.84	85	370860	8.09	ug/L	99
5) CHLOROMETHANE	5.46	50	325919	6.61	ug/L	98
6) VINYL CHLORIDE	5.56	62	246724	8.97	ug/L	95
7) BROMOMETHANE	6.55	94	193263	6.37	ug/L	95
8) CHLOROETHANE	6.68	64	191613	7.01	ug/L	96
9) TRICHLOROFLUOROMETHANE	7.24	101	379988	6.16	ug/L	97
12) ACETONE	8.21	43	62805	7.30	ug/L	93
13) 1,1-DICHLOROETHENE	8.55	61	475915	6.49	ug/L	98
14) METHYLENE CHLORIDE	9.55	49	513769	5.95	ug/L	98
15) METHYL TERT BUTYL ETHER	9.86	73	462564	4.67	ug/L	98
16) TRANS-1,2-DICHLOROETHENE	10.22	61	501568	5.05	ug/L	98
17) 1,1-DICHLOROETHANE	11.10	63	599326	4.88	ug/L	98
18) 2-BUTANONE (MEK)	11.94	43	66255	3.59	ug/L	93
19) 2,2-DICHLOROPROPANE	12.33	77	461642	5.10	ug/L	100
20) CIS-1,2-DICHLOROETHENE	12.41	96	371429	4.92	ug/L	98
21) CHLOROFORM	12.75	83	647271	5.02	ug/L	98
22) BROMOCHLOROMETHANE	13.13	49	266478	4.20	ug/L	96
23) 1,2-DICHLOROETHANE	14.47	62	448387	5.51	ug/L	100
26) 1,1,1-TRICHLOROETHANE	13.64	97	482720	5.55	ug/L	98
27) 1,1-DICHLOROPROPENE	13.96	75	482400	5.66	ug/L	97
28) CARBON TETRACHLORIDE	14.23	117	413373	5.67	ug/L	98
29) BENZENE	14.57	78	1236886	5.13	ug/L	99
30) TRICHLOROETHENE	15.83	95	379060	5.35	ug/L	97
31) 1,2-DICHLOROPROPANE	16.19	63	320219	4.58	ug/L	97
32) DIBROMOMETHANE	16.87	174	166472	4.53	ug/L	98
33) BROMODICHLOROMETHANE	16.72	83	459431	5.23	ug/L	98
34) 2-CHLOROETHYL VINYL ETHER	17.20	63	101295	4.57	ug/L	99
35) METHYL ISO-BUTYL KETONE	17.28	58	46048	3.69	ug/L	91
36) CIS-1,3-DICHLOROPROPENE	17.81	75	444287	4.65	ug/L	99
37) TOLUENE	18.56	91	1334011	5.04	ug/L	99
38) TRANS-1,3-DICHLOROPROPENE	18.85	75	345671	5.06	ug/L	98
39) 1,1,2-TRICHLOROETHANE	19.22	97	215566	4.74	ug/L	97
40) TETRACHLOROETHENE	20.01	166	371071	4.88	ug/L	97
41) 1,3-DICHLOROPROPANE	19.75	76	389045	4.66	ug/L	99
42) DIBROMOCHLOROMETHANE	20.45	129	262322	4.80	ug/L	99
43) 1,2-DIBROMOETHANE	20.89	107	213894	4.61	ug/L	96
44) CHLOROBENZENE	21.78	112	880581	4.85	ug/L	99
45) 1,1,1,2-TETRACHLOROETHANE	21.83	131	304474	5.06	ug/L	94
46) 2-HEXANONE	19.12	43	89521	2.82	ug/L	99
47) ETHYLBENZENE	21.81	91	1573310	5.23	ug/L	99
48) P & M-XYLENE	21.98	106	1078352	9.95	ug/L	93

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02mar11\0311R5A.D Vial: 3
Acq On : 11 Mar 2002 12:00 pm Operator: 201-wb
Sample : ref 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 11 12:39 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Mar 11 11:11:58 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
49)	O-XYLENE	22.95	91	1230216	5.16	ug/L	98
50)	STYRENE	23.00	104	846290	4.68	ug/L	94
51)	1,1,2,2-TETRACHLOROETHANE	24.02	83	218536	4.16	ug/L	100
53)	BROMOFORM	23.87	173	123416	4.67	ug/L	97
54)	ISOPROPYLBENZENE	23.67	105	1378077	5.16	ug/L	98
55)	1,2,3-TRICHLOROPROPANE	24.36	110	67561	4.76	ug/L	96
56)	N-PROPYLBENZENE	24.53	91	1717277	4.97	ug/L	99
57)	BROMOBENZENE	24.79	156	348750	4.65	ug/L	99
58)	1,3,5-TRIMETHYLBENZENE	24.86	105	1208144	5.26	ug/L	97
59)	2-CHLOROTOLUENE	25.03	91	1203814	5.16	ug/L	97
60)	4-CHLOROTOLUENE	25.10	91	1008758	4.88	ug/L	99
61)	TERT-BUTYLBENZENE	25.66	119	1108000	5.09	ug/L	95
62)	1,2,4-TRIMETHYLBENZENE	25.74	105	1237352	5.13	ug/L	95
63)	SEC-BUTYLBENZENE	26.10	105	1519549	5.19	ug/L	97
64)	P-ISOPROPYLTOLUENE	26.37	119	1233785	5.36	ug/L	96
65)	1,3-DICHLOROBENZENE	26.73	146	672258	4.72	ug/L	96
66)	1,4-DICHLOROBENZENE	26.93	146	678017	4.66	ug/L	98
67)	N-BUTYLBENZENE	27.26	91	1230056	5.17	ug/L	99
68)	1,2-DICHLOROBENZENE	27.79	146	572169	4.70	ug/L	96
69)	1,2-DIBROMO-3-CHLOROPROPAN	29.57	157	31378	4.67	ug/L	97
70)	1,2,4-TRICHLOROBENZENE	31.85	180	357794	4.65	ug/L	99
71)	HEXACHLOROBUTADIENE	32.16	225	178938	5.16	ug/L	96
72)	NAPHTHALENE	32.69	128	443669	4.58	ug/L	99
73)	1,2,3-TRICHLOROBENZENE	33.40	180	291764	4.64	ug/L	95
74)	NITROBENZENE	29.79	77	149603	88.28	ug/L	96

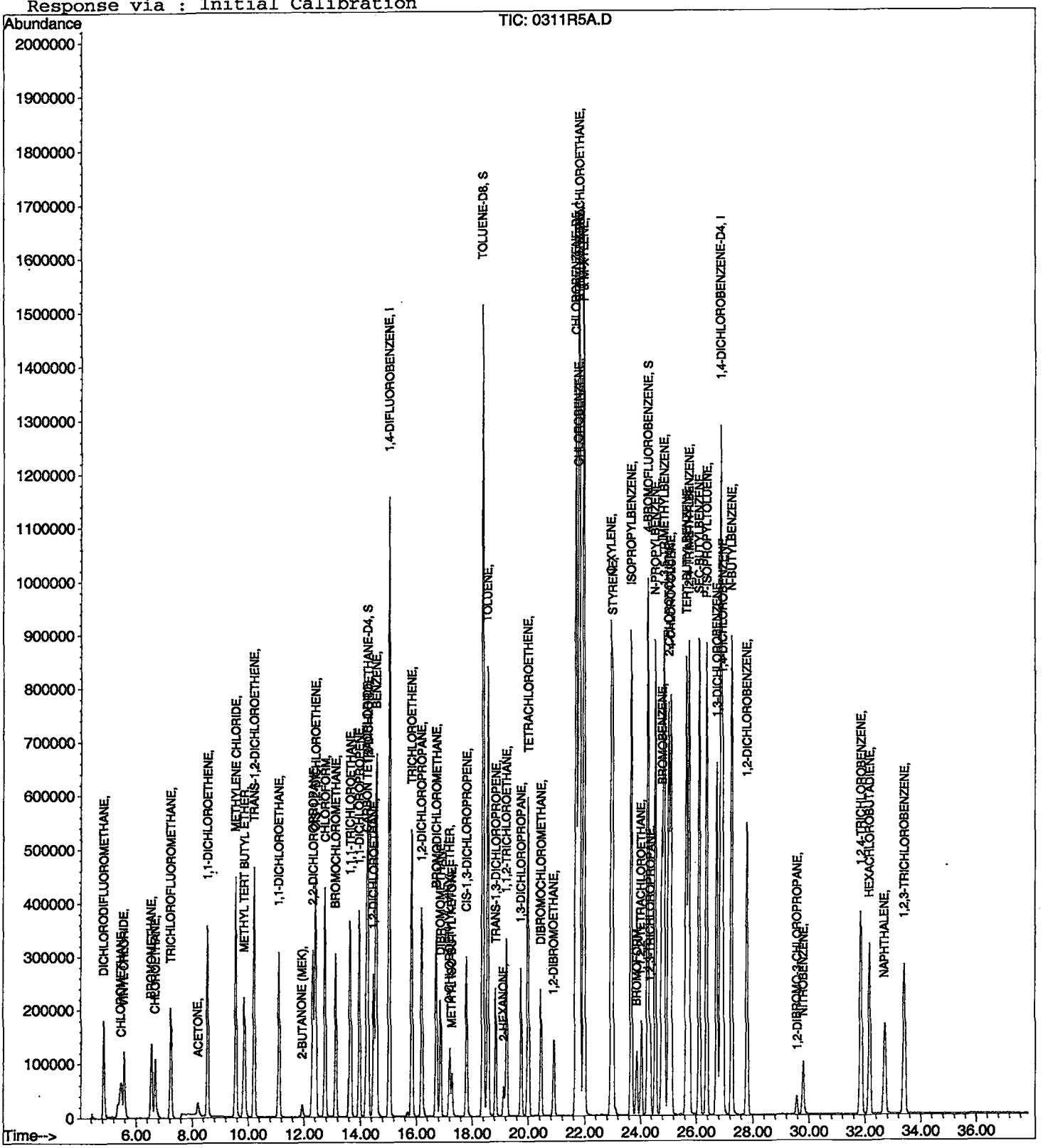
(#) = qualifier out of range (m) = manual integration
0311R5A.D HP022702.M Mon Mar 11 12:41:58 2002 Page 2

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02mar11\0311R5A.D
Acq On : 11 Mar 2002 12:00 pm
Sample : ref 5
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 11 12:39 2002

Vial: 3
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP022702.RES

Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Mar 11 11:11:58 2002
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02mar11\0311B3.D Vial: 4
Acq On : 11 Mar 2002 12:53 pm Operator: 201-wb
Sample : Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 11 13:33 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Mar 11 11:11:58 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

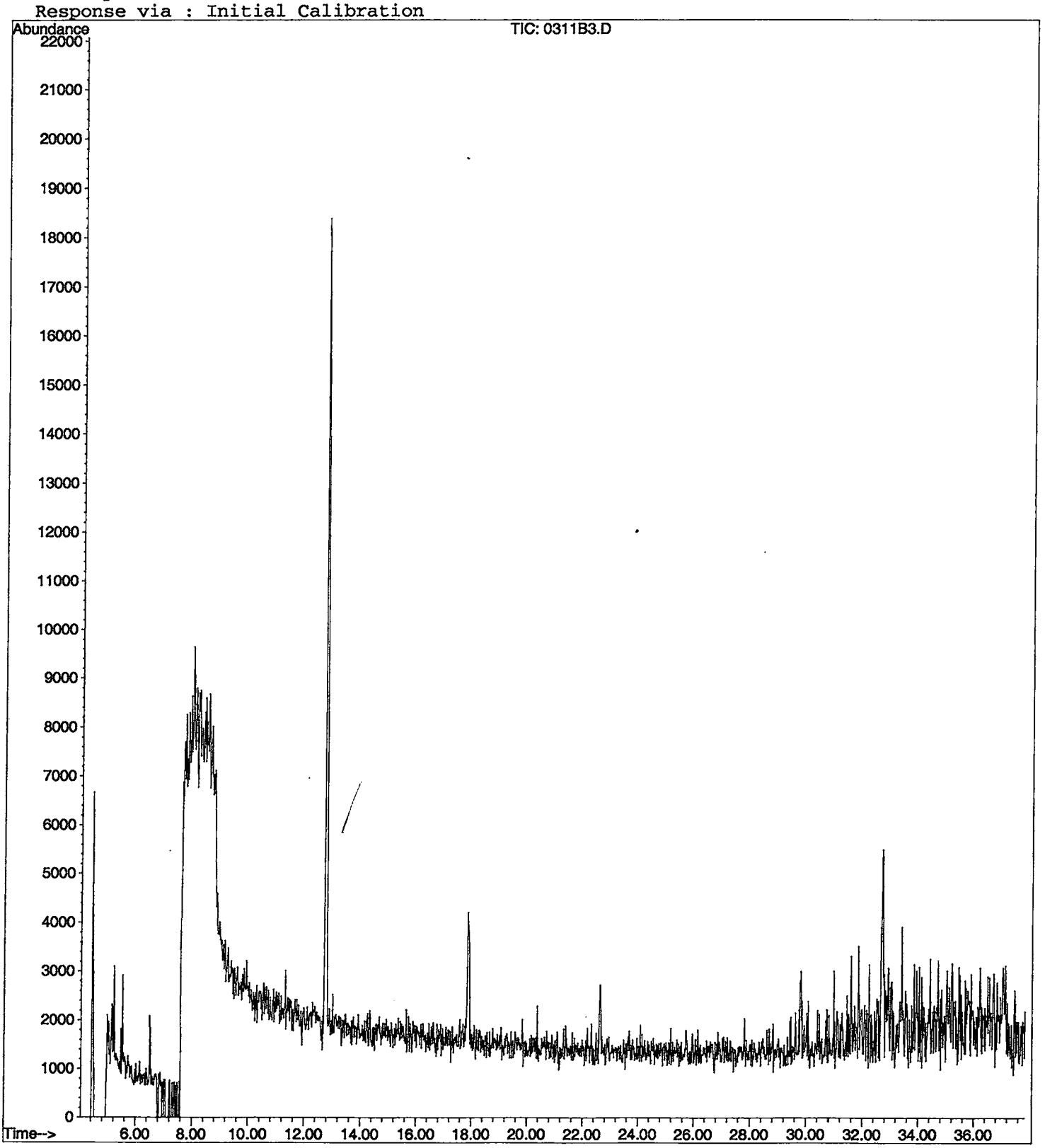
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	0.00	114	0	0.00	ug/L	-15.17
24) CHLOROBENZENE-D5	0.00	117	0	0.00	ug/L	-21.83
52) 1,4-DICHLOROBENZENE-D4	0.00	152	0	0.00	ug/L	-27.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	0.00	65	0	0.00	ug/L	
Spiked Amount 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
0311B3.D HP022702.M Mon Mar 11 13:34:39 2002 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02mar11\0311B3.D Vial: 4
Acq On : 11 Mar 2002 12:53 pm Operator: 201-wb
Sample : Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 11 13:33 2002 Quant Results File: HP022702.RES

Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Mar 11 11:11:58 2002
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02mar11\5177D.D Vial: 5
Acq On : 11 Mar 2002 4:25 pm Operator: 201-wb
Sample : nyc dup Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 11 17:04 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Mar 11 11:11:58 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.02	114	1166981	5.00	ug/L	-0.15
24) CHLOROBENZENE-D5	21.67	117	1025151	5.00	ug/L	-0.15
52) 1,4-DICHLOROBENZENE-D4	26.87	152	462480	5.00	ug/L	-0.14
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.25	65	427658	5.67	ug/L	-0.15
Spiked Amount 5.000			Recovery =	113.40%		
3) 4-BROMOFLUOROBENZENE	24.26	174	362699	3.84	ug/L	-0.15
Spiked Amount 5.000			Recovery =	76.80%		
25) TOLUENE-D8	18.37	98	1379477	5.58	ug/L	-0.15
Spiked Amount 5.000			Recovery =	111.60%		
Target Compounds						Qvalue
12) ACETONE	8.19	43	42268	7.08	ug/L	98
21) CHLOROFORM 25	12.74	83	2267489	25.37	ug/L	99
33) BROMODICHLOROMETHANE 9.4	16.70	83	522587	9.44	ug/L	100
42) DIBROMOCHLOROMETHANE 1.1	20.43	129	37007	1.07	ug/L	87

(#) = qualifier out of range (m) = manual integration
5177D.D HP022702.M Mon Mar 11 17:04:12 2002 Page 1

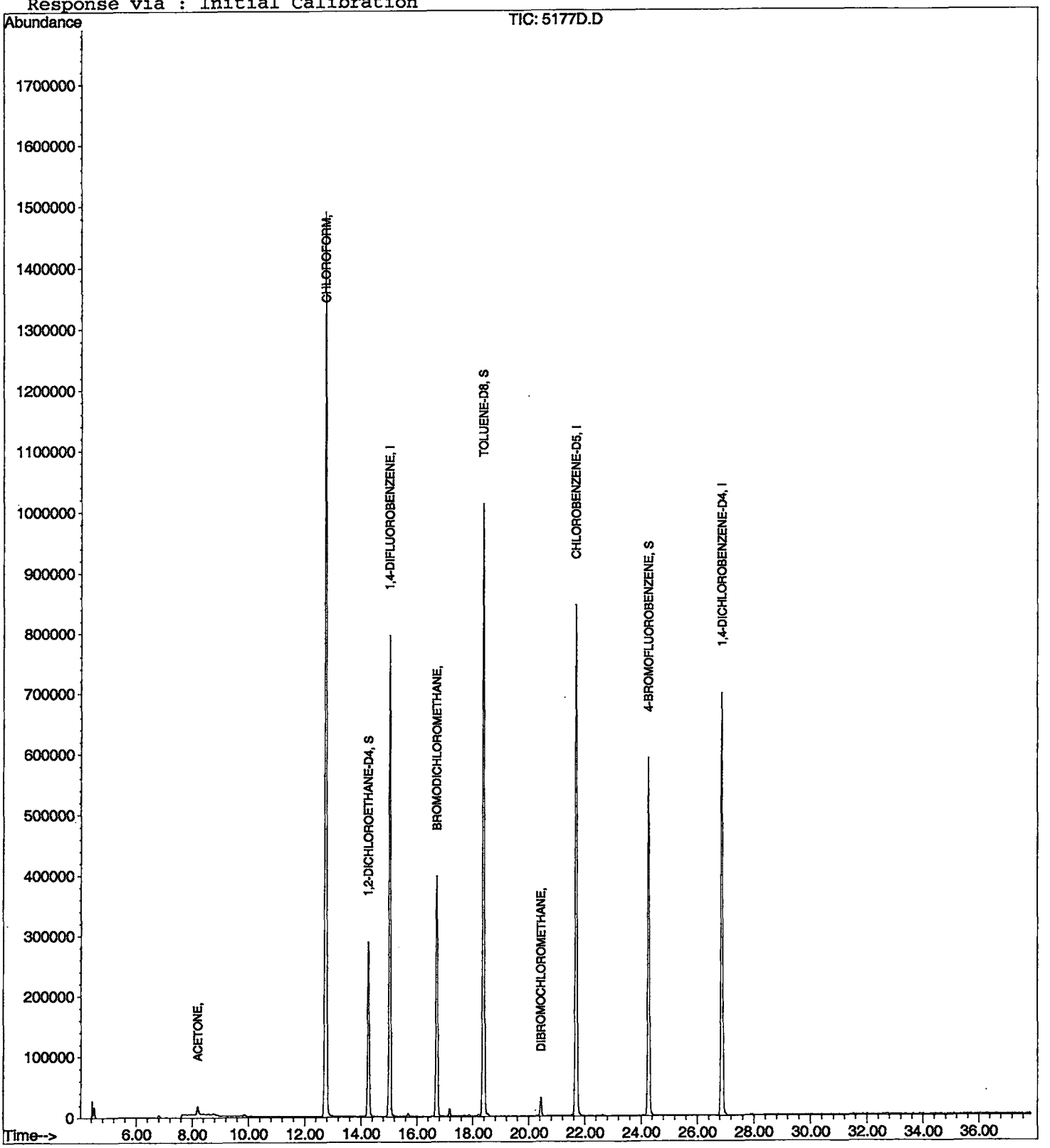
Quantitation Report

Data File : C:\HPCHEM\1\DATA\02mar11\5177D.D
Acq On : 11 Mar 2002 4:25 pm
Sample : nyc dup
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 11 17:04 2002

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

Quant Results File: HP022702.RES

Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Mar 11 11:11:58 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02mar11\5177D.D Vial: 5
Acq On : 11 Mar 2002 4:25 pm Operator: 201-wb
Sample : nyc dup Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

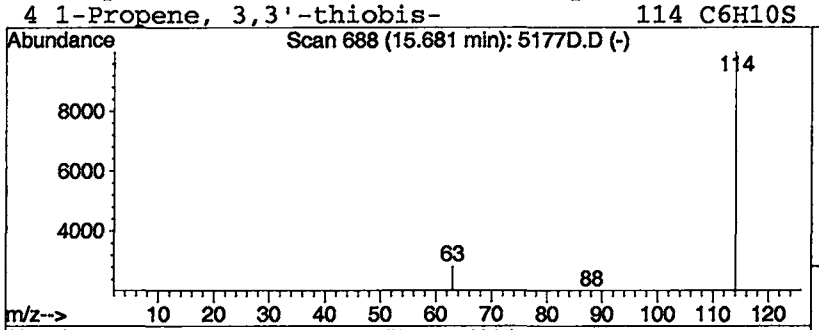
Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

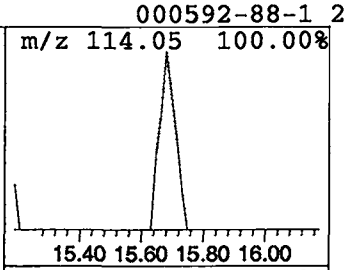
****

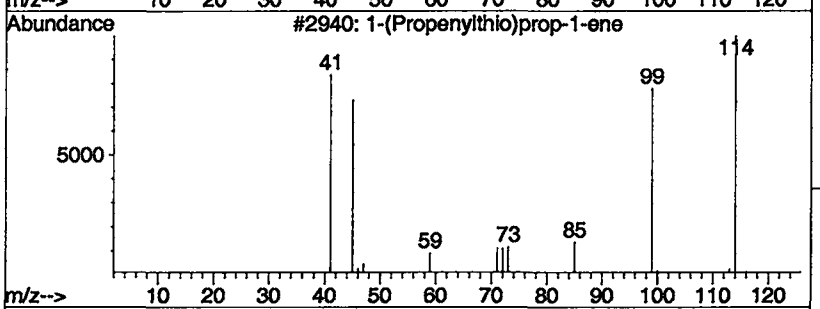
Peak Number 1 1-(Propenylthio)prop-1-ene Concentration Rank 2

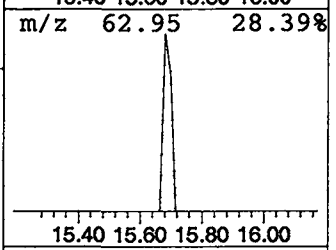
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	0.03 ug/L	16689	1,4-DIFLUOROBENZENE	15.02

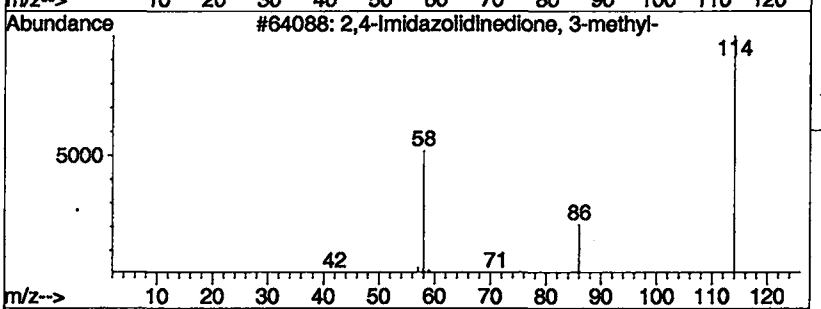
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(Propenylthio)prop-1-ene	114	C6H10S	000000-00-0	3
2	2,4-Imidazolidinedione, 3-methyl-	114	C4H6N2O2	006843-45-4	3
3	3-Cyclobutene-1,2-dione, 3,4-dihydr	114	C4H2O4	002892-51-5	2
4	1-Propene, 3,3'-thiobis-	114	C6H10S	000592-88-1	2

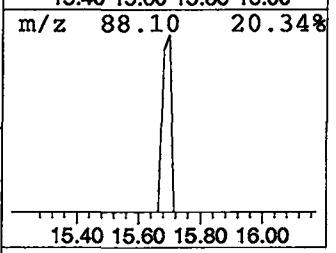


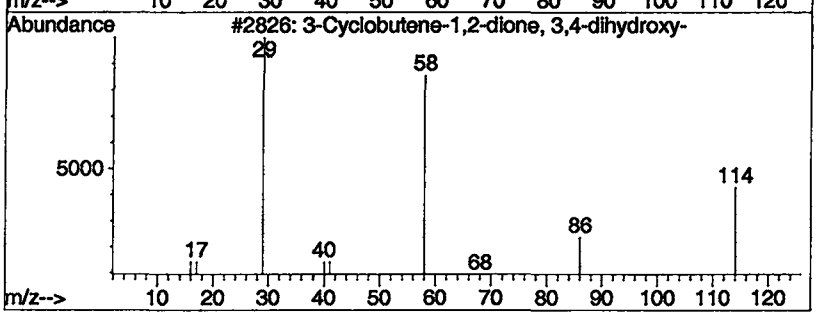












Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02mar11\5177D.D Vial: 5
Acq On : 11 Mar 2002 4:25 pm Operator: 201-wb
Sample : nyc dup Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

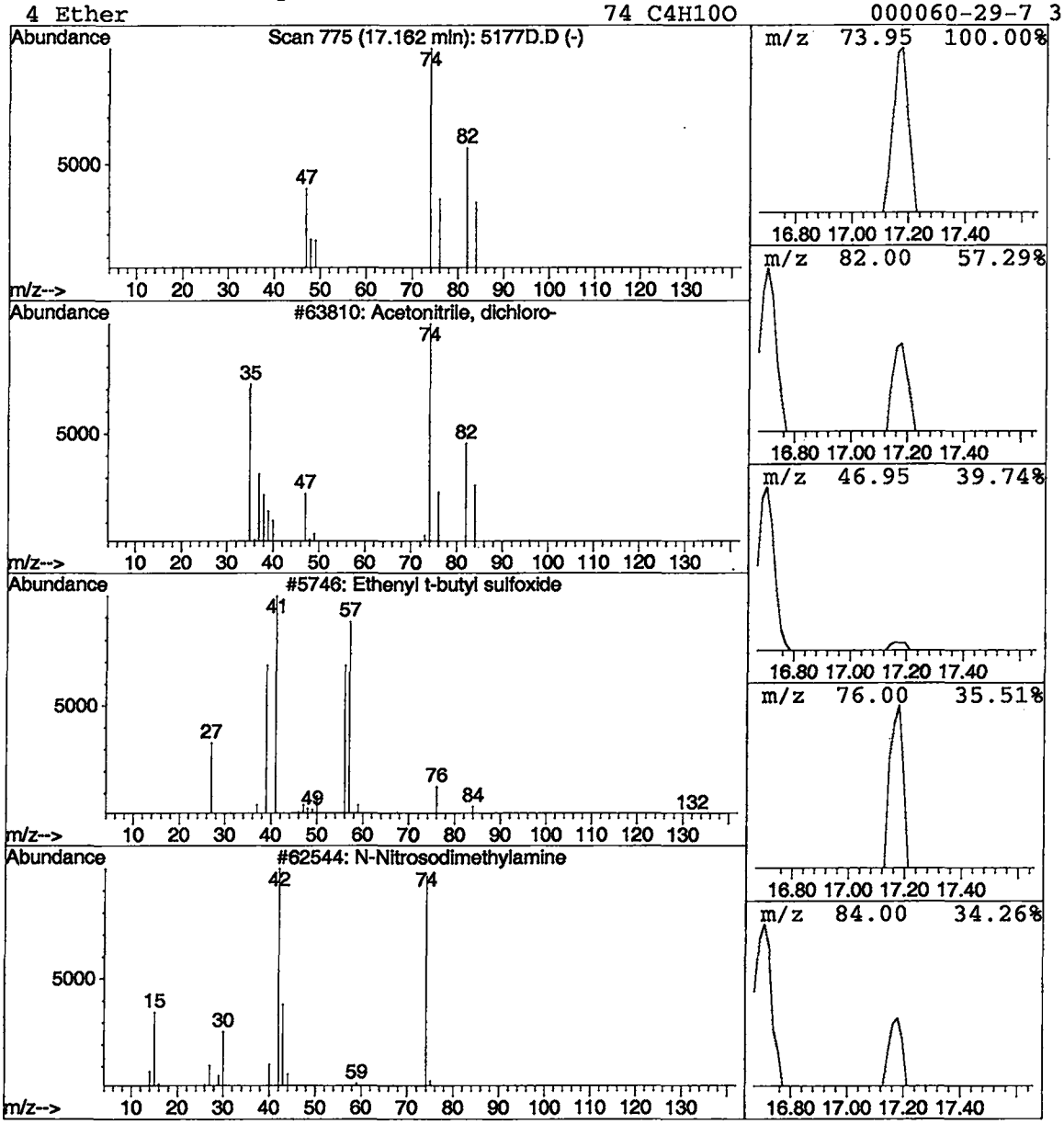
Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Acetonitrile, dichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.16	0.07 ug/L	40916	1,4-DIFLUOROBENZENE	15.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	40
2	Ethenyl t-butyl sulfoxide	132	C6H12OS	000000-00-0	4
3	N-Nitrosodimethylamine	74	C2H6N2O	000062-75-9	3
4	Ether	74	C4H10O	000060-29-7	3



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02mar11\5179D.D Vial: 7
Acq On : 11 Mar 2002 5:52 pm Operator: 201-wb
Sample : nyc dup Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 11 18:30 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Mar 11 11:11:58 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.05	114	1283503	5.00	ug/L	-0.12
24) CHLOROBENZENE-D5	21.69	117	1114923	5.00	ug/L	-0.14
52) 1,4-DICHLOROBENZENE-D4	26.88	152	508767	5.00	ug/L	-0.12
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.28	65	505877	6.09	ug/L	-0.12
Spiked Amount 5.000			Recovery = 121.80%			
3) 4-BROMOFLUOROBENZENE	24.28	174	406455	3.91	ug/L	-0.14
Spiked Amount 5.000			Recovery = 78.20%			
25) TOLUENE-D8	18.40	98	1512793	5.63	ug/L	-0.12
Spiked Amount 5.000			Recovery = 112.60%			
Target Compounds						Qvalue
12) ACETONE	8.22	43	133968	20.40	ug/L	94
18) 2-BUTANONE (MEK)	11.95	43	1374	0.10	ug/L	60
21) CHLOROFORM 25	12.77	83	2487774	25.31	ug/L	99
33) BROMODICHLOROMETHANE 5.6	16.72	83	338654	5.62	ug/L	99
42) DIBROMOCHLOROMETHANE .55	20.45	129	20607	0.55	ug/L	98

3/8
7.15
-
21.68
4.61
0.46

higher results than on 3/8

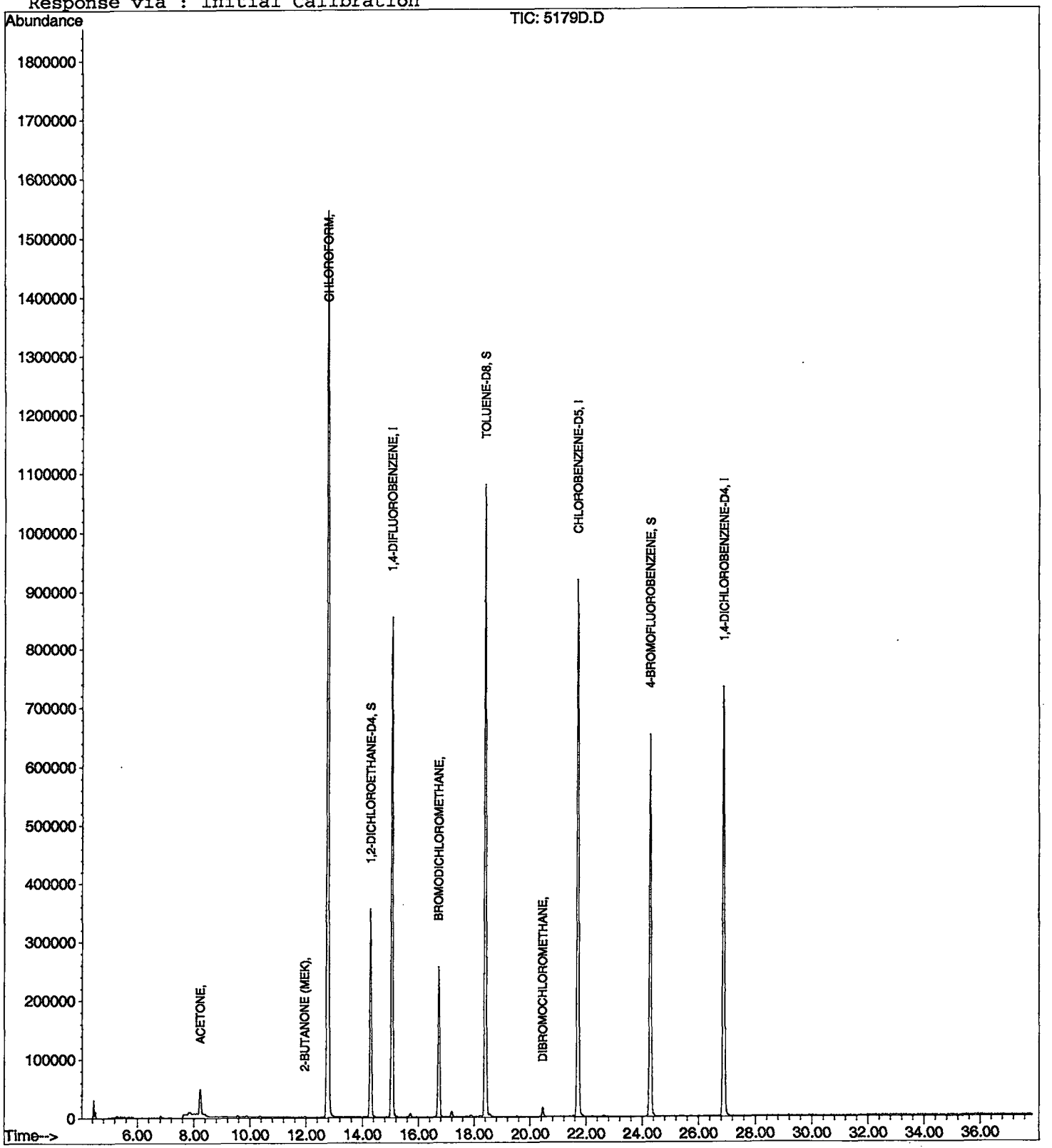
(#) = qualifier out of range (m) = manual integration
5179D.D HP022702.M Mon Mar 11 18:30:55 2002 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02mar11\5179D.D
Acq On : 11 Mar 2002 5:52 pm
Sample : nyc dup
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 11 18:30 2002

Vial: 7
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP022702.RES

Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Mar 11 11:11:58 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02mar11\5179D.D Vial: 7
Acq On : 11 Mar 2002 5:52 pm Operator: 201-wb
Sample : nyc dup Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

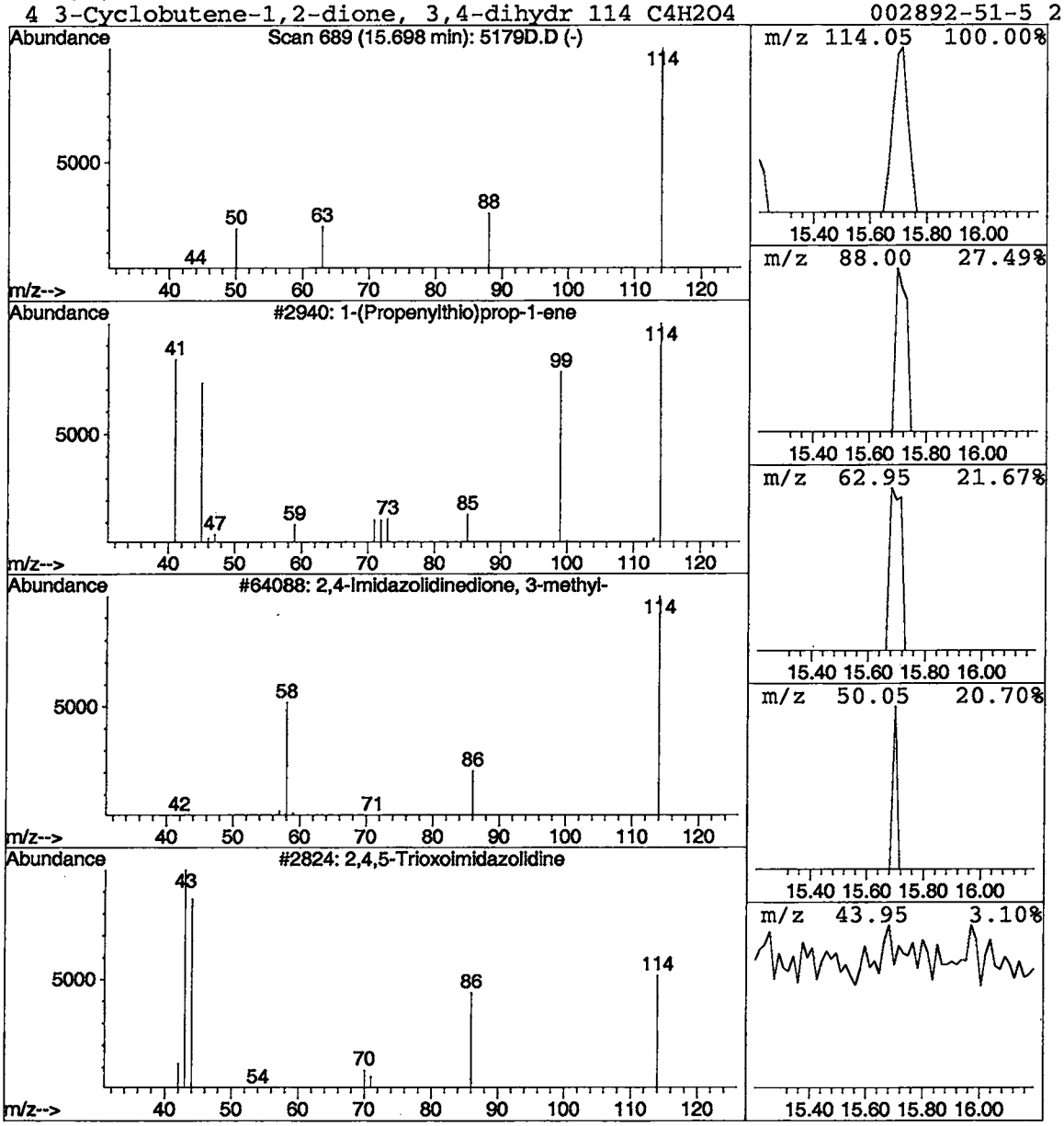
Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 1-(Propenylthio)prop-1-ene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.70	0.03 ug/L	22011	1,4-DIFLUOROBENZENE	15.05

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



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02mar11\5179D.D Vial: 7
Acq On : 11 Mar 2002 5:52 pm Operator: 201-wb
Sample : nyc dup Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

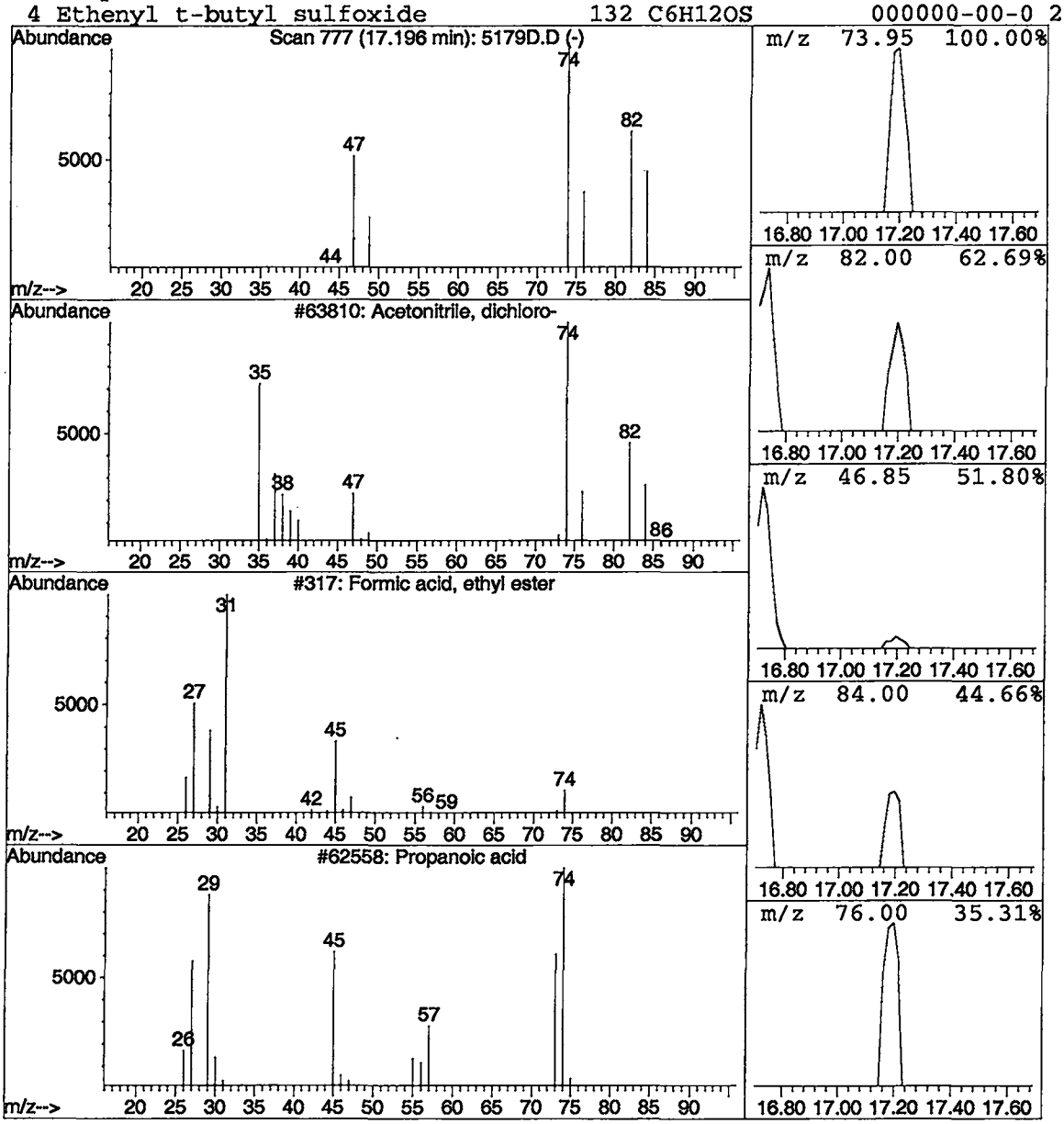
Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 Acetonitrile, dichloro- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	0.05 ug/L	32294	1,4-DIFLUOROBENZENE	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	4
2	Formic acid, ethyl ester	74	C3H6O2	000109-94-4	3
3	Propanoic acid	74	C3H6O2	000079-09-4	3
4	Ethenyl t-butyl sulfoxide	132	C6H12OS	000000-00-0	2



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02mar11\5179D.D Vial: 7
Acq On : 11 Mar 2002 5:52 pm Operator: 201-wb
Sample : nyc dup Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

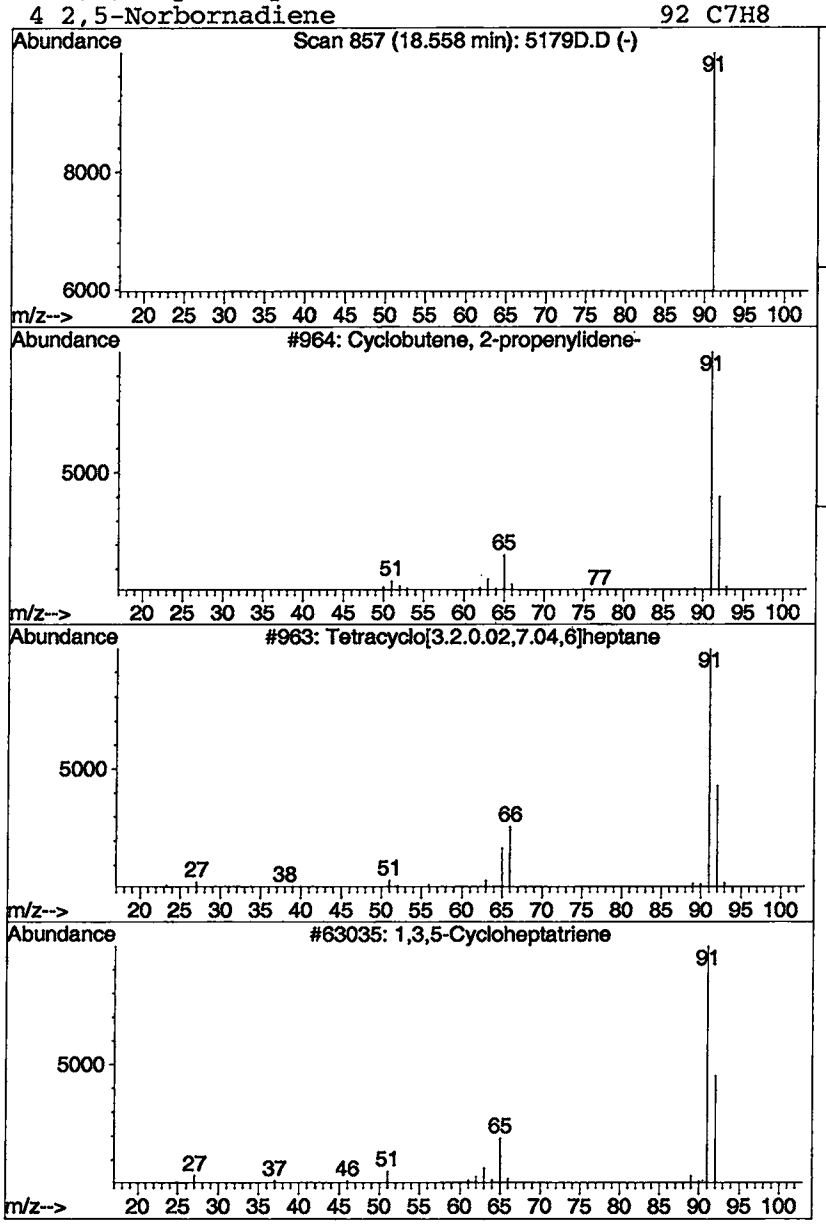
Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

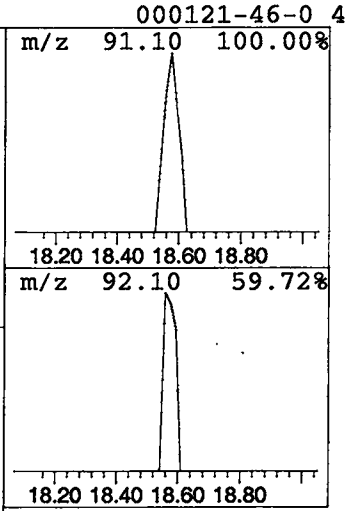
****

Peak Number 3 Cyclobutene, 2-propenylidene- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	0.03 ug/L	18952	CHLOROBENZENE-D5	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutene, 2-propenylidene-	92	C7H8	052097-85-5	4
2	Tetracyclo[3.2.0.02,7.04,6]heptane	92	C7H8	000278-06-8	4
3	1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	4
4	2,5-Norbornadiene	92	C7H8	000121-46-0	4





Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02mar11\5180D.D Vial: 8
Acq On : 11 Mar 2002 6:35 pm Operator: 201-wb
Sample : nyc dup Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Mar 11 19:13 2002 Quant Results File: HP022702.RES

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Mar 11 11:11:58 2002
Response via : Initial Calibration
DataAcq Meth : HP022702

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.05	114	1494543	5.00	ug/L	-0.12
24) CHLOROBENZENE-D5	21.69	117	1329943	5.00	ug/L	-0.14
52) 1,4-DICHLOROBENZENE-D4	26.88	152	602960	5.00	ug/L	-0.12
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.29	65	583564	6.04	ug/L	-0.12
Spiked Amount 5.000			Recovery =	120.80%		
3) 4-BROMOFLUOROBENZENE	24.28	174	477259	3.94	ug/L	-0.14
Spiked Amount 5.000			Recovery =	78.80%		
25) TOLUENE-D8	18.41	98	1806083	5.63	ug/L	-0.12
Spiked Amount 5.000			Recovery =	112.60%		
Target Compounds						Qvalue
12) ACETONE	8.21	43	162574	21.26	ug/L	97
21) CHLOROFORM 12	12.77	83	1404062	12.27	ug/L	99
33) BROMODICHLOROMETHANE 3.1	16.72	83	216258	3.01	ug/L	100
42) DIBROMOCHLOROMETHANE	20.47	129	13511	0.30	ug/L	99
65) 1,3-DICHLOROBENZENE	26.95	146	20453	0.20	ug/L	95
66) 1,4-DICHLOROBENZENE	26.95	146	20453	0.20	ug/L	92

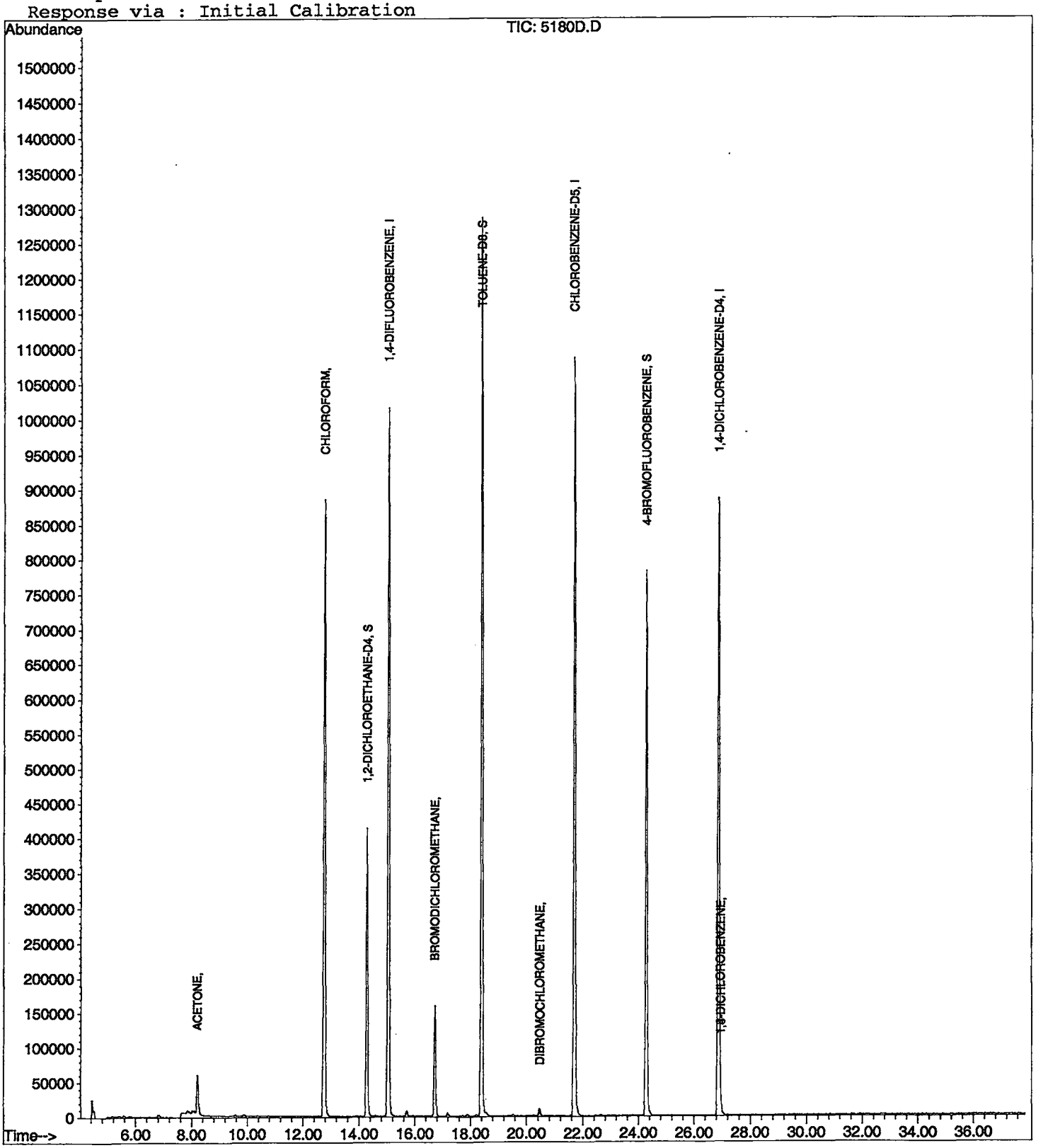
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02mar11\5180D.D
Acq On : 11 Mar 2002 6:35 pm
Sample : nyc dup
Misc :
MS Integration Params: RTEINT.P
Quant Time: Mar 11 19:13 2002

Vial: 8
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP022702.RES

Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Mar 11 11:11:58 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02mar11\5180D.D Vial: 8
Acq On : 11 Mar 2002 6:35 pm Operator: 201-wb
Sample : nyc dup Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

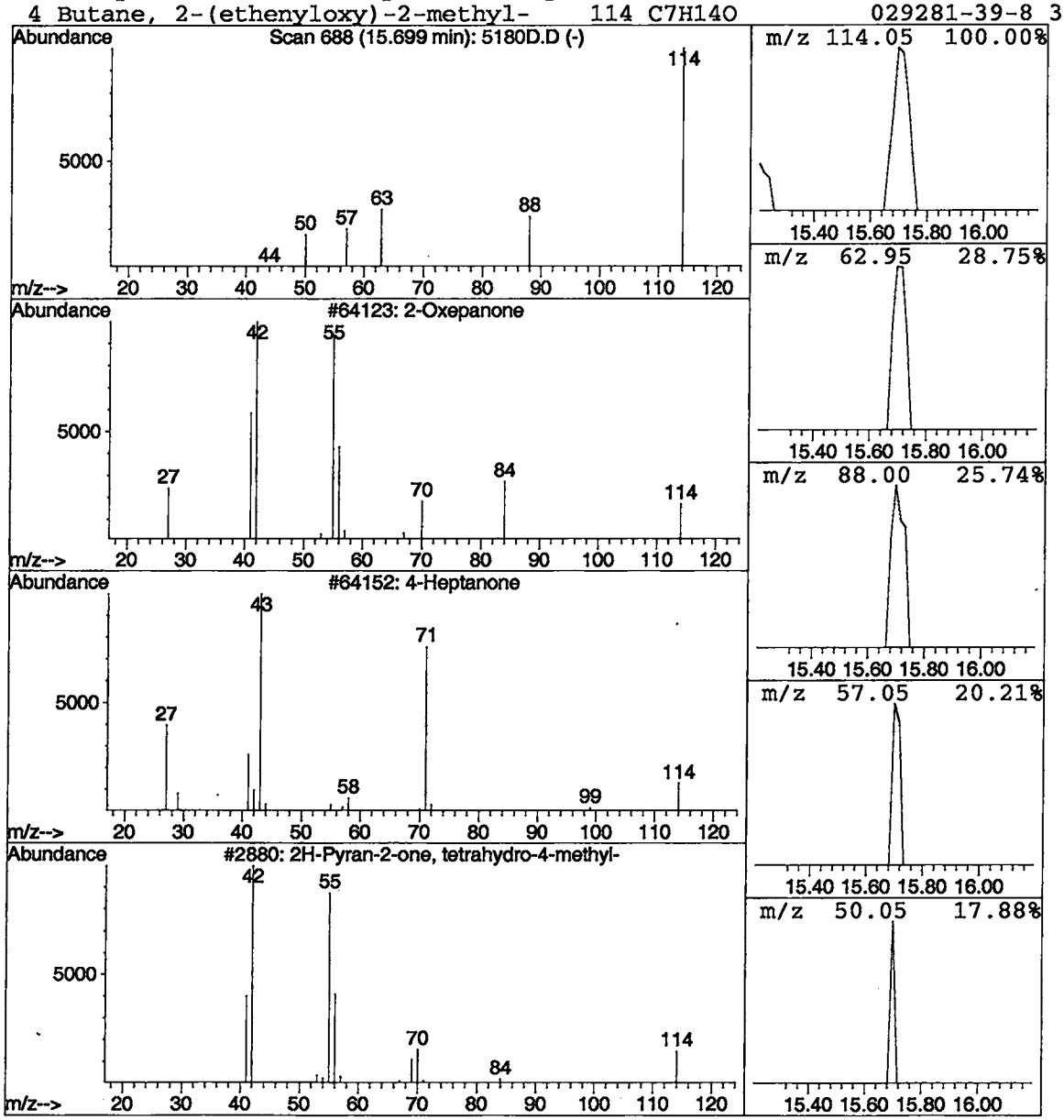
Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2-Oxepanone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.70	0.04 ug/L	27573	1,4-DIFLUOROBENZENE	15.05

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



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02mar11\5180D.D Vial: 8
Acq On : 11 Mar 2002 6:35 pm Operator: 201-wb
Sample : nyc dup Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

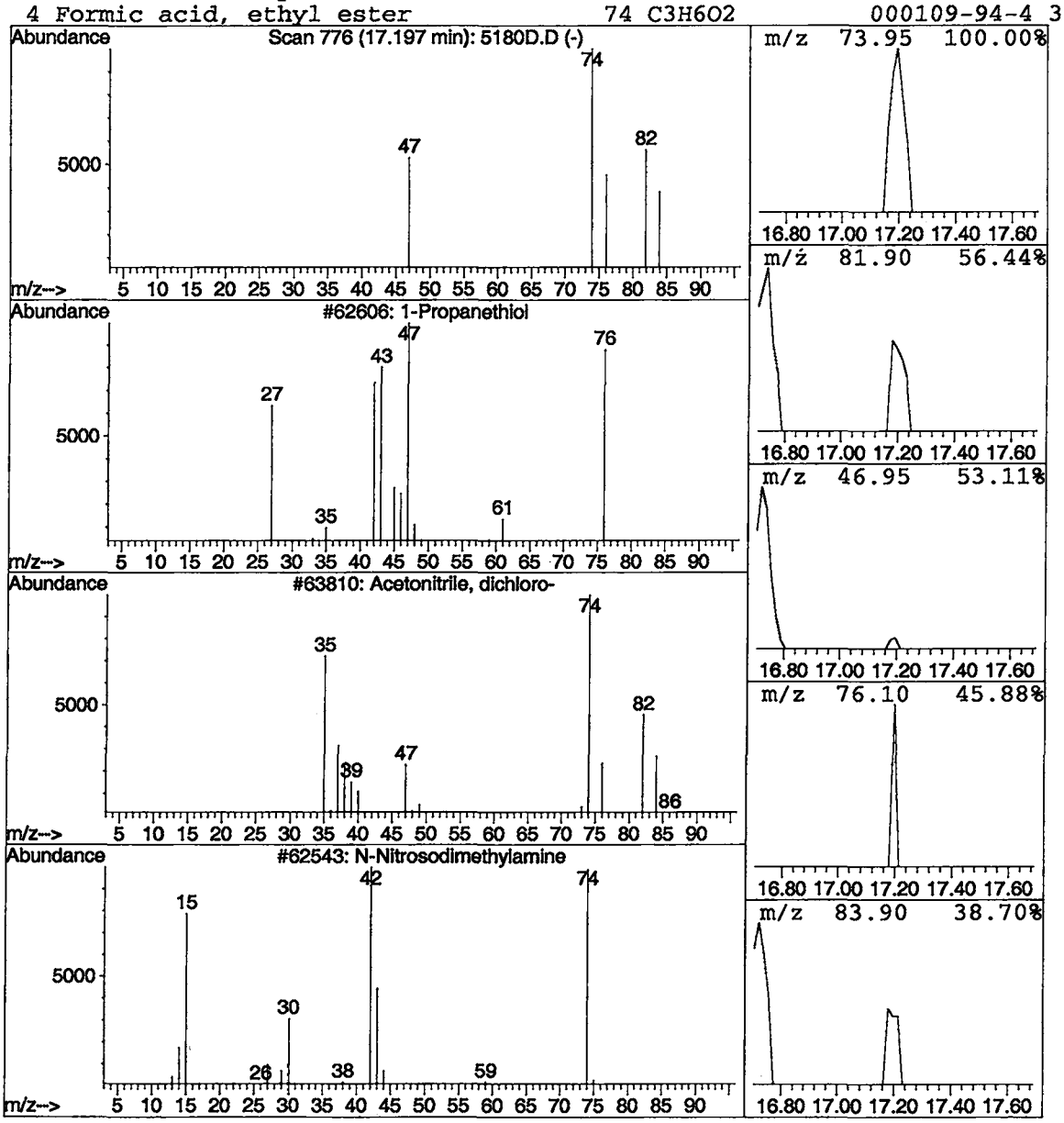
Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 2 1-Propanethiol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	0.03 ug/L	19736	1,4-DIFLUOROBENZENE	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propanethiol	76	C3H8S	000107-03-9	7
2	Acetonitrile, dichloro-	109	C2HCl2N	003018-12-0	4
3	N-Nitrosodimethylamine	74	C2H6N2O	000062-75-9	3
4	Formic acid, ethyl ester	74	C3H6O2	000109-94-4	3



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02mar11\5180D.D Vial: 8
Acq On : 11 Mar 2002 6:35 pm Operator: 201-wb
Sample : nyc dup Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

Quant Method : C:\HPCHEM\1\METHODS\HP022702.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 3 1,3,5-Cycloheptatriene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	0.03 ug/L	21920	CHLOROBENZENE-D5	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Cycloheptatriene	92	C7H8	000544-25-2	4
2	Cyclobutene, 2-propenylidene-	92	C7H8	052097-85-5	2
3	Bicyclo[3.2.0]hepta-2,6-diene	92	C7H8	002422-86-8	2
4	Spiro[3.3]hepta-1,5-diene	92	C7H8	022635-78-5	2