User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 14:56:19

Sample: AE08016
Analysis: $B1524 Volatile Organic Compounds-Blank
Units: ug
Started: 4/5/02 00:00 Ended: 4/5/02 00:00 Analyst: BH
Result source: a:\0405b2.rr
Page: 1

	Component Name	Viol	Result
1	Surr - 1,2-DICHLOROETHANE-		6.0
2	Surr - 4-BROMOFLUOROBENZ		4.5
3	DICHLORODIFLUOROMETHAN		< MDL
4	CHLOROMETHANE		< MDL
5	VINYL CHLORIDE		< MDL
6	BROMOMETHANE		< MDL
7	CHLOROETHANE		< MDL
8	TRICHLOROFLUOROMETHANE		< MDL
9	ACETONE		0.76
10	1,1-DICHLOROETHENE		< MDL
11	METHYLENE CHLORIDE		< MDL
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		< MDL
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 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

Reviewed by,
JB 6/14/02

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 14:56:19

Sample: AE08016
Analysis: $B1524 Volatile Organic Compounds-Blank
Units: ug
Started: 4/5/02 00:00 Ended: 4/5/02 00:00 Analyst: BH
Result source: a:\0405b2.rr
Page: 2

	Component Name	Viol	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\02apr05\0405B2.D Vial: 2
Acq On : 5 Apr 2002 10:52 am Operator: 201-wb
Sample : lb Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 5 11:30 2002 Quant Results File: HP031802.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Apr 04 11:11:24 2002
Response via : Initial Calibration
DataAcq Meth : HP031802

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.05	114	1162947	5.00	ug/L	0.00
24) CHLOROBENZENE-D5	21.71	117	1040126	5.00	ug/L	0.00
52) 1,4-DICHLOROBENZENE-D4	26.88	152	495829	5.00	ug/L	0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.27	65	573092	5.98	ug/L	-0.02
Spiked Amount 5.000			Recovery =	119.60%		
3) 4-BROMOFLUOROBENZENE	24.30	174	419058	4.46	ug/L	0.00
Spiked Amount 5.000			Recovery =	89.20%		
25) TOLUENE-D8	18.41	98	1336071	5.30	ug/L	0.00
Spiked Amount 5.000			Recovery =	106.00%		
Target Compounds						Qvalue
12) ACETONE	8.21	43	5955	0.76	ug/L	53

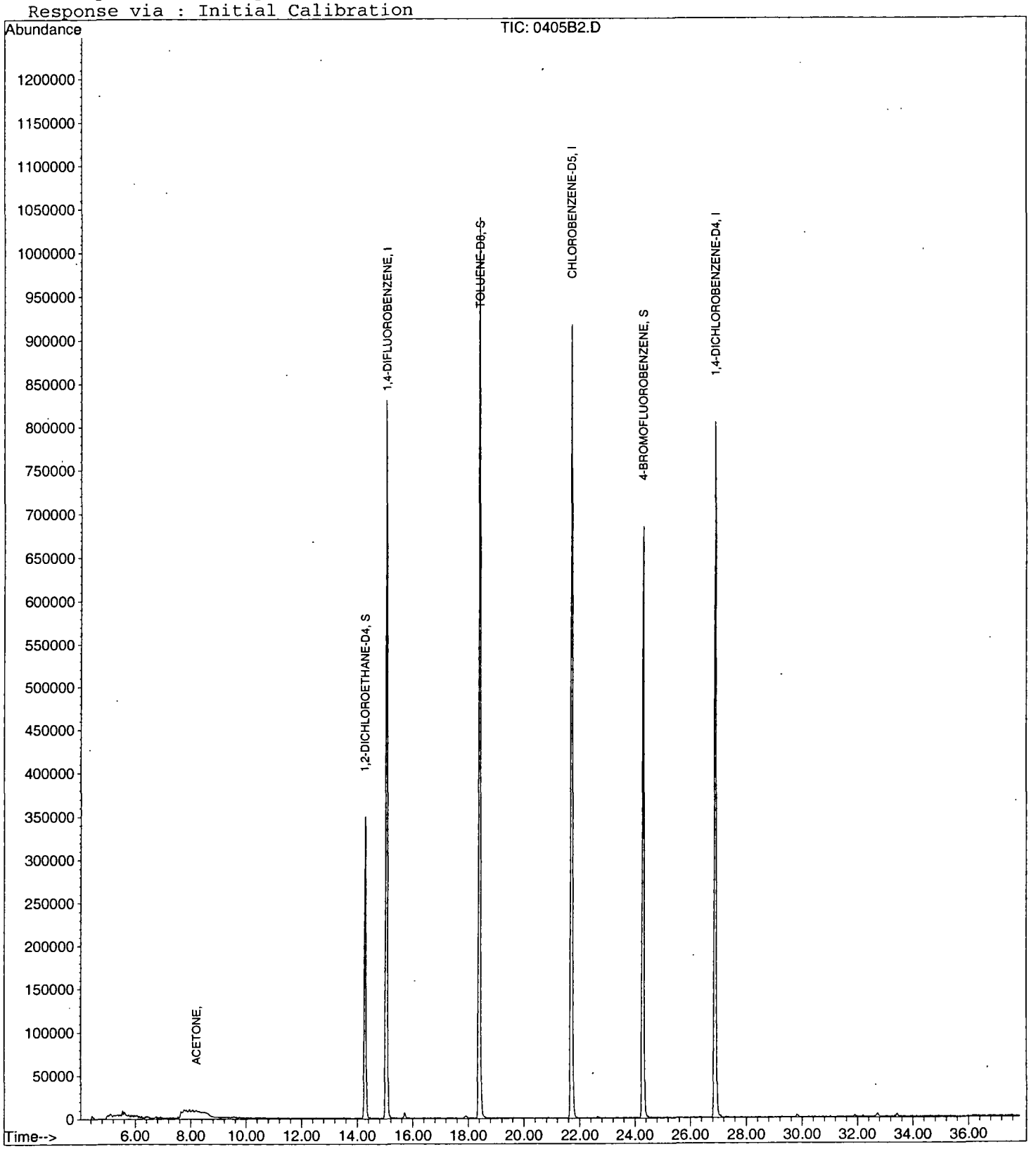
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02apr05\0405B2.D
Acq On : 5 Apr 2002 10:52 am
Sample : lb
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 5 11:30 2002

Vial: 2
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP031802.RES

Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Apr 04 11:11:24 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02APR05\0405B2.D Vial: 2
Acq On : 5 Apr 2002 10:52 am Operator: 201-wb
Sample : lb Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

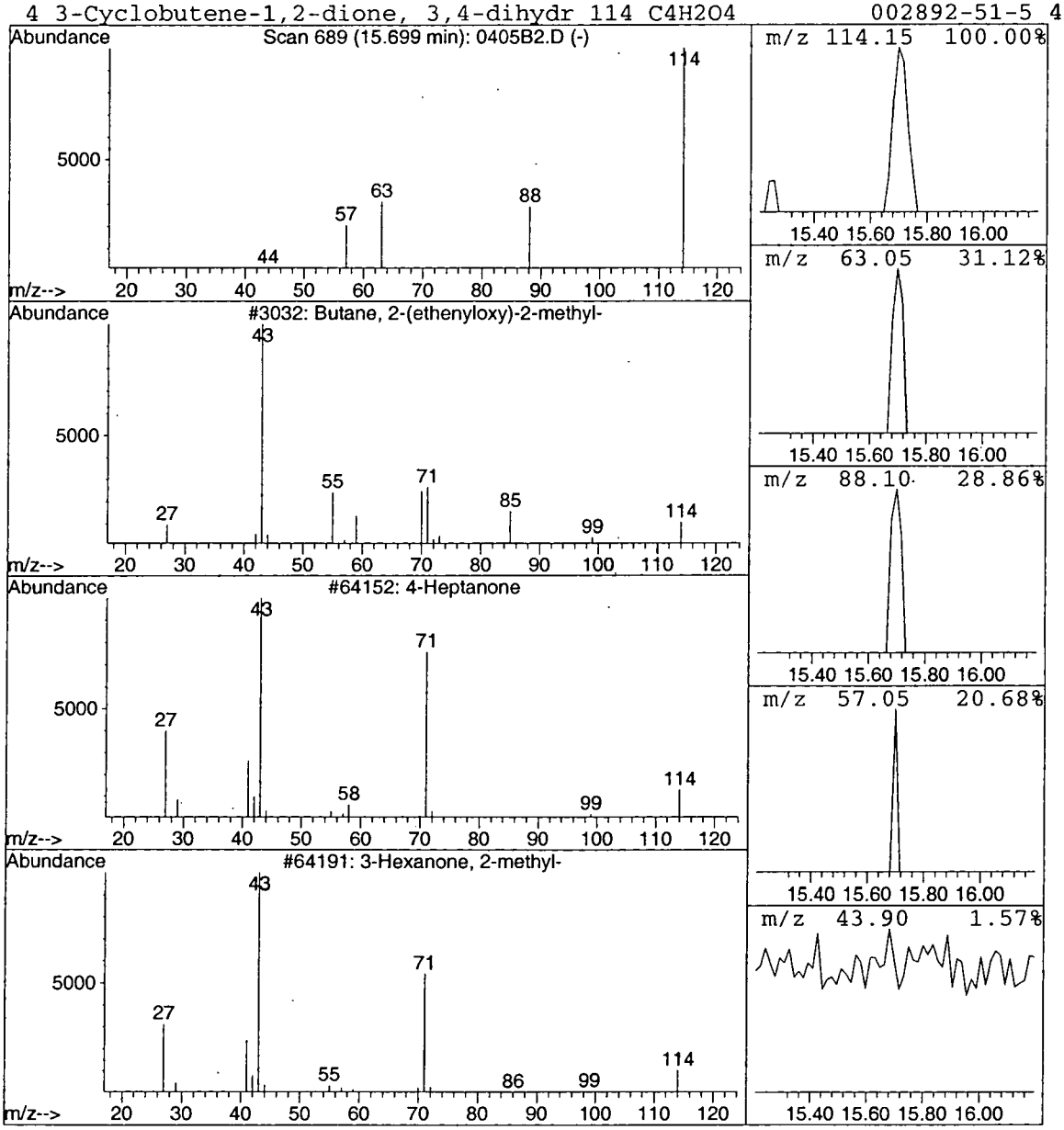
Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Butane, 2-(ethenyloxy)-2-methy Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.70	0.03 ug/L	19982	1,4-DIFLUOROBENZENE	15.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-(ethenyloxy)-2-methyl-	114	C7H14O	029281-39-8	5
2	4-Heptanone	114	C7H14O	000123-19-3	4
3	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	4
4	3-Cyclobutene-1,2-dione, 3,4-dihydr	114	C4H2O4	002892-51-5	4



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 14:56:37

Sample: AE08016
Analysis: $C1524 Volatile Organic Compounds-Cal 1
Units: ug
Started: 4/5/02 00:01 Ended: 4/5/02 00:01 Analyst: BH
Result source: a:\0405c10a.rr
Page: 1

	Component Name	Viol.	Result	Qualifier	MDL
1	Surr_1,2-DICHLOROETHANE-D		5.7		.5
2	Surr_4-BROMOFLUOROBENZE		4.8		.5
3	Dichlorodifluoromethane		8.7		.5
4	Chloromethane		9.5		.5
5	Vinyl chloride		12		.5
6	Bromomethane		11		.5
7	Chloroethane		11		.5
8	Trichlorofluoromethane		12		.5
9	1,1-Dichloroethene		8.2		.5
10	Methylene Chloride		8.3		.5
11	Methyl tert-butyl ether		8.2		1.0
12	trans-1,2-dichloroethene		8.5		.5
13	1,1-dichloroethane		8.8		.5
14	2-butanone (MEK)		32		2.0
15	2,2-dichloropropane		9.6		.5
16	cis-1,2-dichloroethene		8.8		.5
17	Chloroform		9.7		.5
18	Bromochloromethane		8.5		.5
19	1,2-dichloroethane		9.8		.5
20	Surr_TOLUENE-D8		5.4		.5
21	1,1,1- trichloroethane		11		.5
22	1,1-dichloropropene		11		.5
23	Carbon tetrachloride		12		.5
24	Benzene		9.7		.5
25	Trichloroethene		11		.5
26	1,2-dichloropropane		9.5		.5
27	Dibromomethane		11		.5
28	Bromodichloromethane		11		.5
29	Methyl iso-butyl ketone		39		1.0
30	cis-1,3-dichloropropene		10		.5
31	Toluene		10		.5
32	trans-1,3-dichloropropene		10		.5
33	1,1,2-trichloroethane		9.8		.5
34	Tetrachloroethene		11		.5
35	1,3-dichloropropane		9.8		.5
36	Dibromochloromethane		11		2.0
37	Chlorobenzene		9.8		.5
38	1,1,1,2-tetrachloroethane		11		.5
39	Ethylbenzene		10		.5
40	P & M-xylene		20		.5
41	O-xylene		11		.5
42	Styrene		10		.5
43	1,1,2,2-tetrachloroethane		9.2		.5
44	Bromoform		12		2.0
45	Isopropylbenzene		11		.5
46	1,2,3-trichloropropane		12		.5
47	N-propylbenzene		11		.5
48	Bromobenzene		11		.5

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 14:56:37

Sample: AE08016
Analysis: $C1524 Volatile Organic Compounds-Cal 1
Units: ug
Started: 4/5/02 00:01 Ended: 4/5/02 00:01 Analyst: BH
Result source: a:\0405c10a.rr
Page: 2

	Component Name	Viol	Result	Qualifier	MDL
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		11		.5
57	1,4-dichlorobenzene		10		.5
58	N-butylbenzene		11		.5
59	1,2-dichlorobenzene		10		.5
60	1,2,4-trichlorobenzene		11		.5
61	Hexachlobutadiene	USPEC	15		.5
62	Naphthalene		9.6		.5
63	1,2,3-trichlorobenzene		12		.5
64	Nitrobenzene		220		5.0

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02apr05\0405C10A.D Vial: 3
Acq On : 5 Apr 2002 11:53 am Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 5 12:31 2002 Quant Results File: HP031802.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Apr 04 11:11:24 2002
Response via : Initial Calibration
DataAcq Meth : HP031802

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.05	114	1285267	5.00	ug/L	0.00
24) CHLOROBENZENE-D5	21.71	117	1143187	5.00	ug/L	0.00
52) 1,4-DICHLOROBENZENE-D4	26.88	152	594262	5.00	ug/L	0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.28	65	608241	5.74	ug/L	0.00
Spiked Amount 5.000			Recovery	=	114.80%	
3) 4-BROMOFLUOROBENZENE	24.30	174	502090	4.83	ug/L	0.00
Spiked Amount 5.000			Recovery	=	96.60%	
25) TOLUENE-D8	18.40	98	1501930	5.42	ug/L	0.00
Spiked Amount 5.000			Recovery	=	108.40%	
Target Compounds						Qvalue
4) DICHLORODIFLUOROMETHANE	4.82	85	369018	8.69	ug/L	96
5) CHLOROMETHANE	5.44	50	480870	9.48	ug/L	97
6) VINYL CHLORIDE	5.56	62	398036	12.25	ug/L	99
7) BROMOMETHANE	6.53	94	332450	10.90	ug/L	96
8) CHLOROETHANE	6.68	64	356467	11.31	ug/L	96
9) TRICHLOROFLUOROMETHANE	7.23	101	740890	11.57	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	8.14	101	8564	0.30	ug/L	79
12) ACETONE	8.21	43	286609	32.96	ug/L	98
13) 1,1-DICHLOROETHENE	8.55	61	626092	8.15	ug/L	94
14) METHYLENE CHLORIDE	9.55	49	564791	8.28	ug/L	98
15) METHYL TERT BUTYL ETHER	9.86	73	563461	8.17	ug/L	98
16) TRANS-1,2-DICHLOROETHENE	10.22	61	656662	8.52	ug/L	95
17) 1,1-DICHLOROETHANE	11.12	63	776818	8.79	ug/L	96
18) 2-BUTANONE (MEK)	11.94	43	303783	32.14	ug/L	93
19) 2,2-DICHLOROPROPANE	12.33	77	669437	9.62	ug/L	95
20) CIS-1,2-DICHLOROETHENE	12.43	96	459027	8.84	ug/L	99
21) CHLOROFORM	12.75	83	922693	9.65	ug/L	99
22) BROMOCHLOROMETHANE	13.14	49	338628	8.53	ug/L	98
23) 1,2-DICHLOROETHANE	14.49	62	648477	9.82	ug/L	99
26) 1,1,1-TRICHLOROETHANE	13.65	97	738753	11.44	ug/L	97
27) 1,1-DICHLOROPROPENE	13.98	75	631410	10.64	ug/L	97
28) CARBON TETRACHLORIDE	14.23	117	657735	11.83	ug/L	99
29) BENZENE	14.57	78	1439788	9.74	ug/L	100
30) TRICHLOROETHENE	15.85	95	490959	10.62	ug/L	98
31) 1,2-DICHLOROPROPANE	16.21	63	368462	9.54	ug/L	95
32) DIBROMOMETHANE	16.87	174	234219	10.70	ug/L	99
33) BROMODICHLOROMETHANE	16.72	83	655416	11.21	ug/L	98
34) 2-CHLOROETHYL VINYL ETHER	17.21	63	147223	9.56	ug/L	96
35) METHYL ISO-BUTYL KETONE	17.28	58	259830	39.41	ug/L	89
36) CIS-1,3-DICHLOROPROPENE	17.83	75	574069	10.25	ug/L	98
37) TOLUENE	18.58	91	1597396	10.08	ug/L	99
38) TRANS-1,3-DICHLOROPROPENE	18.86	75	429854	10.41	ug/L	98
39) 1,1,2-TRICHLOROETHANE	19.24	97	255058	9.75	ug/L	94
40) TETRACHLOROETHENE	20.02	166	519740	11.08	ug/L	98
41) 1,3-DICHLOROPROPANE	19.77	76	469943	9.75	ug/L	96
42) DIBROMOCHLOROMETHANE	20.46	129	372305	11.03	ug/L	96
43) 1,2-DIBROMOETHANE	20.91	107	268212	10.05	ug/L	99
44) CHLOROBENZENE	21.79	112	1048729	9.83	ug/L	94
45) 1,1,1,2-TETRACHLOROETHANE	21.84	131	410428	10.89	ug/L	97
46) 2-HEXANONE	19.14	43	483019	39.58	ug/L	90
47) ETHYLBENZENE	21.83	91	1928270	10.47	ug/L	99

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02apr05\0405C10A.D Vial: 3
Acq On : 5 Apr 2002 11:53 am Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 5 12:31 2002 Quant Results File: HP031802.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Apr 04 11:11:24 2002
Response via : Initial Calibration
DataAcq Meth : HP031802

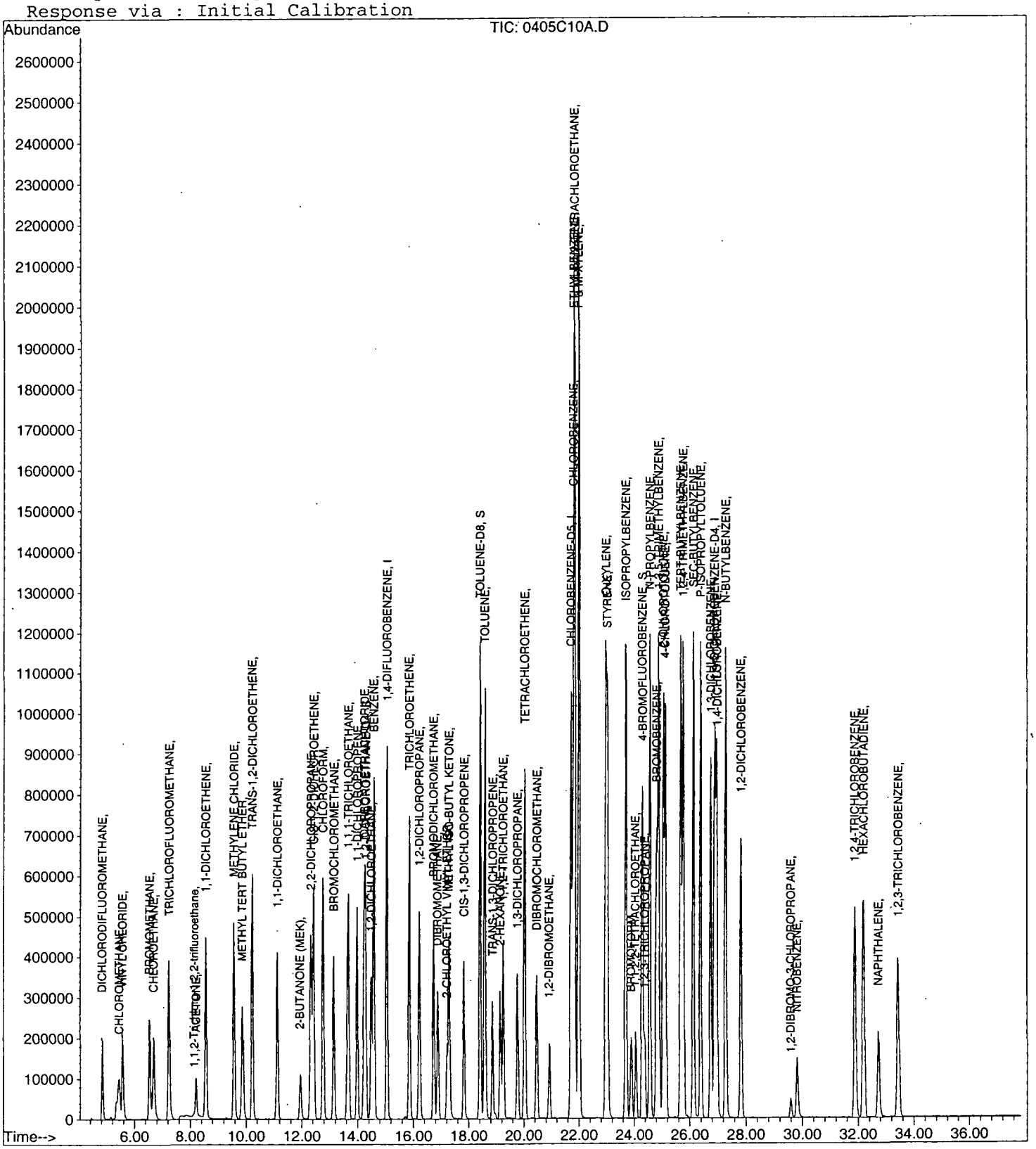
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
48)	P & M-XYLENE	22.00	106	1281019	20.39	ug/L	87
49)	O-XYLENE	22.97	91	1547164	10.69	ug/L	96
50)	STYRENE	23.02	104	992418	10.34	ug/L	96
51)	1,1,2,2-TETRACHLOROETHANE	24.04	83	243181	9.19	ug/L	93
53)	BROMOFORM	23.89	173	195575	12.31	ug/L	98
54)	ISOPROPYLBENZENE	23.70	105	1761826	11.10	ug/L	99
55)	1,2,3-TRICHLOROPROPANE	24.38	110	90295	11.76	ug/L	98
56)	N-PROPYLBENZENE	24.57	91	2206377	10.70	ug/L	98
57)	BROMOBENZENE	24.81	156	450972	10.81	ug/L	94
58)	1,3,5-TRIMETHYLBENZENE	24.87	105	1572428	11.17	ug/L	96
59)	2-CHLOROTOLUENE	25.04	91	1491737	10.52	ug/L	97
60)	4-CHLOROTOLUENE	25.11	91	1352633	11.08	ug/L	97
61)	TERT-BUTYLBENZENE	25.67	119	1405785	10.94	ug/L	93
62)	1,2,4-TRIMETHYLBENZENE	25.76	105	1619727	11.00	ug/L	94
63)	SEC-BUTYLBENZENE	26.13	105	1872651	10.62	ug/L	97
64)	P-ISOPROPYLTOLUENE	26.39	119	1504963	10.93	ug/L	95
65)	1,3-DICHLOROBENZENE	26.75	146	836279	10.51	ug/L	99
66)	1,4-DICHLOROBENZENE	26.97	146	840399	10.21	ug/L	97
67)	N-BUTYLBENZENE	27.27	91	1528138	10.92	ug/L	99
68)	1,2-DICHLOROBENZENE	27.82	146	712627	10.46	ug/L	98
69)	1,2-DIBROMO-3-CHLOROPROPAN	29.59	157	40254	9.75	ug/L	92
70)	1,2,4-TRICHLOROBENZENE	31.87	180	494420	11.49	ug/L	97
71)	HEXACHLOROBUTADIENE	32.20	225	331884	14.93	ug/L	95
72)	NAPHTHALENE	32.72	128	508561	9.63	ug/L	99
73)	1,2,3-TRICHLOROBENZENE	33.44	180	399767	11.88	ug/L	99
74)	NITROBENZENE	29.81	77	215264	224.69	ug/L	93

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02apr05\0405C10A.D Vial: 3
Acq On : 5 Apr 2002 11:53 am Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 5 12:31 2002 Quant Results File: HP031802.RES

Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Apr 04 11:11:24 2002
Response via : Initial Calibration



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 14:58:03

Sample: AE08016
Analysis: $Q_524 Volatile Organic Compounds-Reference Rec
Units: ug
Started: 4/8/02 14:57 Ended: 4/8/02 14:57 Analyst: BH
Result source: calculation
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Surr - 1,2-DICHLOROETHANE-		5.5		.5
2	Surr - 4-BROMOFLUOROBENZ		4.8		.5
3	Dichlorodifluoromethane		80		.5
4	Chloromethane		80		.5
5	Vinyl chloride		126		.5
6	Bromomethane		104		.5
7	Chloroethane		116		.5
8	Trichlorofluoromethane		120		.5
9	1,1-Dichloroethene		90		.5
10	Methylene Chloride		88		.5
11	Methyl tert butyl ether		86		1.0
12	trans-1,2-dichloroethene		88		.5
13	1,1-dichloroethane		82		.5
14	2-butanone (MEK)		88		2.0
15	2,2-dichloropropane		88		.5
16	cis-1,2-dichloroethene		80		.5
17	Chloroform		86		.5
18	Bromochloromethane		80		.5
19	1,2-dichloroethane		90		.5
20	Surr - TOLUENE-D8		5.3		.5
21	1,1,1-trichloroethane		100		.5
22	1,1-dichloropropene		96		.5
23	Carbon tetrachloride		104		.5
24	Benzene		92		.5
25	Trichloroethene		96		.5
26	1,2-dichloropropane		86		.5
27	Dibromomethane		94		.5
28	Bromodichloromethane		98		.5
29	Methyl iso-butyl ketone		74		1.0
30	cis-1,3-dichloropropene		88		.5
31	Toluene		92		.5
32	trans-1,3-dichloropropene		94		.5
33	1,1,2-trichloroethane		88		.5
34	Tetrachloroethene		96		.5
35	1,3-dichloropropane		88		.5
36	Dibromochloromethane		96		2.0
37	Chlorobenzene		88		.5
38	1,1,1,2-tetrachloroethane		96		.5
39	Ethylbenzene		96		.5
40	P & M-xylene		91		.5
41	O-xylene		94		.5
42	Styrene		92		.5
43	1,1,2,2-tetrachloroethane		80		.5
44	Bromoform		104		2.0
45	Isopropylbenzene		98		.5
46	1,2,3-trichloropropane		104		.5
47	N-propylbenzene		92		.5
48	Bromobenzene		102		.5

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 14:58:03

Sample: AE08016
Analysis: $Q_524 Volatile Organic Compounds-Reference Rec
Units: ug
Started: 4/8/02 14:57 Ended: 4/8/02 14:57 Analyst: BH
Result source: calculation
Page: 2

	Component Name	Viol	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		100		.5
50	2-chlorotoluene		96		.5
51	4-chlorotoluene		100		.5
52	TERT-butylbenzene		94		.5
53	1,2,4-trimethylbenzene		98		.5
54	SEC-butylbenzene		94		.5
55	P-isopropyltoluene		100		.5
56	1,3-dichlorobenzene		98		.5
57	1,4-dichlorobenzene		94		.5
58	N-butylbenzene		98		.5
59	1,2-dichlorobenzene		94		.5
60	1,2,4-trichlorobenzene		104		.5
61	Hexachlorobutadiene		104		.5
62	Naphthalene		90		.5
63	1,2,3-trichlorobenzene		110		.5
64	Ethanol				
65	Nitrobenzene		88		5.0

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 14:57:45

Sample: AE08016
Analysis: $RE524 Reference recovery for 524
Units: ug
Started: 4/5/02 00:01 Ended: 4/5/02 00:01 Analyst: BH
Result source: a:\0405r5.rr
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	1,2-DICHLOROETHANE-D4		5.5		
2	4-BROMOFLUOROBENZENE		4.8		
3	DICHLORODIFLUOROMETHAN		4.0		.5
4	CHLOROMETHANE		4.0		.5
5	VINYL CHLORIDE		6.3		.5
6	BROMOMETHANE		5.2		.5
7	CHLOROETHANE		5.8		.5
8	TRICHLOROFLUOROMETHANE		6.0		.5
9	ACETONE		7.6		.5
10	1,1-DICHLOROETHENE		4.5		.5
11	METHYLENE CHLORIDE		4.4		.5
12	METHYL TERT BUTYL ETHER		4.3		1
13	TRANS-1,2-DICHLOROETHEN		4.4		.5
14	1,1-DICHLOROETHANE		4.1		.5
15	2-BUTANONE (MEK)		4.4		.5
16	2,2-DICHLOROPROPANE		4.4		.5
17	CIS-1,2-DICHLOROETHENE		4.0		.5
18	CHLOROFORM		4.3		.5
19	BROMOCHLOROMETHANE		4.0		.5
20	1,2-DICHLOROETHANE		4.5		.5
21	TOLUENE-D8		5.3		
22	1,1,1-TRICHLOROETHANE		5.0		.5
23	1,1-DICHLOROPROPENE		4.8		.5
24	CARBON TETRACHLORIDE		5.2		.5
25	BENZENE		4.6		.5
26	TRICHLOROETHENE		4.8		.5
27	1,2-DICHLOROPROPANE		4.3		.5
28	DIBROMOMETHANE		4.7		.5
29	BROMODICHLOROMETHANE		4.9		.5
30	2-CHLOROETHYL VINYL ETHE		3.5		.5
31	METHYL ISO-BUTYL KETONE		3.7		1
32	CIS-1,3-DICHLOROPROPENE		4.4		.5
33	TOLUENE		4.6		.5
34	TRANS-1,3-DICHLOROPROPE		4.7		.5
35	1,1,2-TRICHLOROETHANE		4.4		.5
36	TETRACHLOROETHENE		4.8		.5
37	1,3-DICHLOROPROPANE		4.4		.5
38	DIBROMOCHLOROMETHANE		4.8		2
39	1,2-DIBROMOETHANE		4.3		.5
40	CHLOROBENZENE		4.4		.5
41	1,1,1,2-TETRACHLOROETHA		4.8		.5
42	2-HEXANONE		4.5		.5
43	ETHYLBENZENE		4.8		.5
44	P & M-XYLENE		9.1		.5
45	O-XYLENE		4.7		.5
46	STYRENE		4.6		.5
47	1,1,2,2-TETRACHLOROETHA		4.0		.5
48	BROMOFORM		5.2		2

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 14:57:45

Sample: AE08016
Analysis: $RE524 Reference recovery for 524
Units: ug
Started: 4/5/02 00:01 Ended: 4/5/02 00:01 Analyst: BH
Result source: a:\0405r5.rr
Page: 2

	Component Name	Viol	Result	Qualifier	MDL
49	ISOPROPYLBENZENE		4.9		.5
50	1,2,3-TRICHLOROPROPANE		5.2		.5
51	N-PROPYLBENZENE		4.6		.5
52	BROMOBENZENE		5.1		.5
53	1,3,5-TRIMETHYLBENZENE		5.0		.5
54	2-CHLOROTOLUENE		4.8		.5
55	4-CHLOROTOLUENE		5.0		.5
56	TERT-BUTYLBENZENE		4.7		.5
57	1,2,4-TRIMETHYLBENZENE		4.9		.5
58	SEC-BUTYLBENZENE		4.7		.5
59	P-ISOPROPYLTOLUENE		5.0		.5
60	1,3-DICHLOROBENZENE		4.9		.5
61	1,4-DICHLOROBENZENE		4.7		.5
62	N-BUTYLBENZENE		4.9		.5
63	1,2-DICHLOROBENZENE		4.7		.5
64	1,2-DIBROMO-3-CHLOROPRO		4.3		.5
65	1,2,4-TRICHLOROBENZENE		5.2		.5
66	HEXACHLOROBUTADIENE		5.2		.5
67	NAPHTHALENE		4.5		.5
68	1,2,3-TRICHLOROBENZENE		5.5		.5
69	ETHANOL		< MDL		30
70	NITROBENZENE		88		5.0

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02apr05\0405R5.D Vial: 3
Acq On : 5 Apr 2002 1:30 pm Operator: 201-wb
Sample : ref 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 5 14:08 2002 Quant Results File: HP031802.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Apr 04 11:11:24 2002
Response via : Initial Calibration
DataAcq Meth : HP031802

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.05	114	1384996	5.00	ug/L	0.00
24) CHLOROBENZENE-D5	21.71	117	1241147	5.00	ug/L	0.00
52) 1,4-DICHLOROBENZENE-D4	26.88	152	626276	5.00	ug/L	0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.29	65	629127	5.51	ug/L	0.00
Spiked Amount 5.000			Recovery	= 110.20%		
3) 4-BROMOFLUOROBENZENE	24.30	174	533313	4.76	ug/L	0.00
Spiked Amount 5.000			Recovery	= 95.20%		
25) TOLUENE-D8	18.41	98	1579853	5.26	ug/L	0.00
Spiked Amount 5.000			Recovery	= 105.20%		
Target Compounds						Qvalue
4) DICHLORODIFLUOROMETHANE	4.83	85	183482	4.01	ug/L	97
5) CHLOROMETHANE	5.42	50	218866	4.00	ug/L	97
6) VINYL CHLORIDE	5.57	62	238014	6.80	ug/L	97
7) BROMOMETHANE	6.55	94	169882	5.17	ug/L	95
8) CHLOROETHANE	6.68	64	196534	5.79	ug/L	95
9) TRICHLOROFLUOROMETHANE	7.23	101	415464	6.02	ug/L	99
12) ACETONE	8.21	43	71392	7.62	ug/L	100
13) 1,1-DICHLOROETHENE	8.55	61	369260	4.46	ug/L	93
14) METHYLENE CHLORIDE	9.55	49	322410	4.38	ug/L	97
15) METHYL TERT BUTYL ETHER	9.86	73	321059	4.32	ug/L	98
16) TRANS-1,2-DICHLOROETHENE	10.22	61	363608	4.38	ug/L	96
17) 1,1-DICHLOROETHANE	11.10	63	393873	4.14	ug/L	97
18) 2-BUTANONE (MEK)	11.95	43	45221	4.44	ug/L	98
19) 2,2-DICHLOROPROPANE	12.33	77	328620	4.38	ug/L	95
20) CIS-1,2-DICHLOROETHENE	12.43	96	226559	4.05	ug/L	97
21) CHLOROFORM	12.75	83	446712	4.34	ug/L	96
22) BROMOCHLOROMETHANE	13.13	49	170628	3.99	ug/L	88
23) 1,2-DICHLOROETHANE	14.47	62	322250	4.53	ug/L	99
26) 1,1,1-TRICHLOROETHANE	13.66	97	351770	5.02	ug/L	96
27) 1,1-DICHLOROPROPENE	13.98	75	309850	4.81	ug/L	97
28) CARBON TETRACHLORIDE	14.23	117	315681	5.23	ug/L	98
29) BENZENE	14.57	78	744676	4.64	ug/L	97
30) TRICHLOROETHENE	15.85	95	241229	4.81	ug/L	95
31) 1,2-DICHLOROPROPANE	16.21	63	182248	4.35	ug/L	96
32) DIBROMOMETHANE	16.87	174	111971	4.71	ug/L	96
33) BROMODICHLOROMETHANE	16.72	83	313861	4.94	ug/L	99
34) 2-CHLOROETHYL VINYL ETHER	17.21	63	59114	3.53	ug/L	99
35) METHYL ISO-BUTYL KETONE	17.30	58	26511	3.70	ug/L	99
36) CIS-1,3-DICHLOROPROPENE	17.83	75	265836	4.37	ug/L	98
37) TOLUENE	18.58	91	792858	4.61	ug/L	99
38) TRANS-1,3-DICHLOROPROPENE	18.87	75	209393	4.67	ug/L	97
39) 1,1,2-TRICHLOROETHANE	19.24	97	124999	4.40	ug/L	96
40) TETRACHLOROETHENE	20.02	166	244565	4.80	ug/L	98
41) 1,3-DICHLOROPROPANE	19.77	76	229551	4.39	ug/L	99
42) DIBROMOCHLOROMETHANE	20.47	129	174445	4.76	ug/L	94
43) 1,2-DIBROMOETHANE	20.91	107	125585	4.34	ug/L	96
44) CHLOROBENZENE	21.79	112	514801	4.44	ug/L	94
45) 1,1,1,2-TETRACHLOROETHANE	21.84	131	194754	4.76	ug/L	96
46) 2-HEXANONE	19.14	43	59480	4.49	ug/L	97
47) ETHYLBENZENE	21.83	91	963992	4.82	ug/L	99
48) P & M-XYLENE	22.00	106	624001	9.15	ug/L	89

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02apr05\0405R5.D Vial: 3
Acq On : 5 Apr 2002 1:30 pm Operator: 201-wb
Sample : ref 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 5 14:08 2002 Quant Results File: HP031802.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Apr 04 11:11:24 2002
Response via : Initial Calibration
DataAcq Meth : HP031802

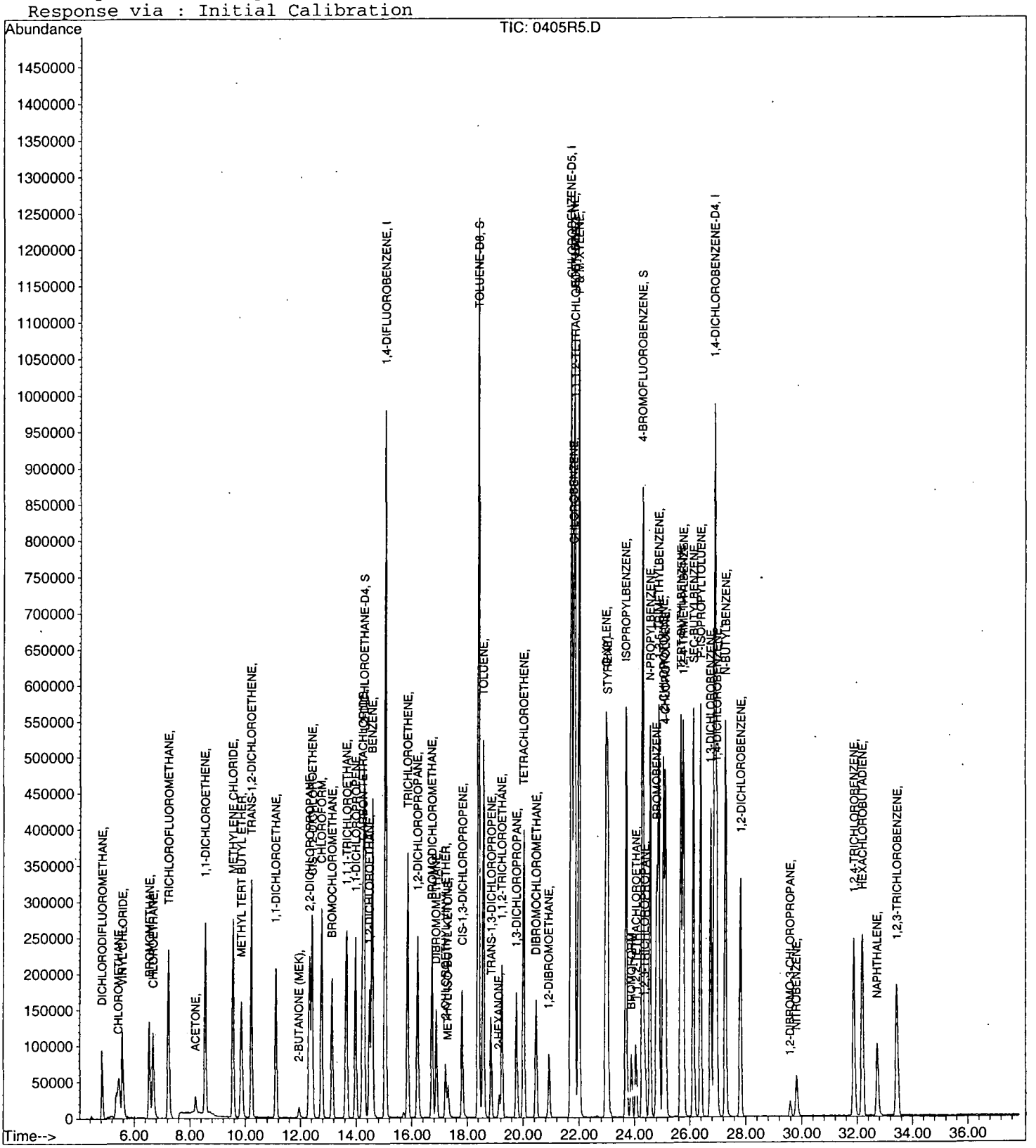
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
49)	O-XYLENE	22.97	91	740663	4.71 ug/L	98
50)	STYRENE	23.02	104	474320	4.55 ug/L	97
51)	1,1,2,2-TETRACHLOROETHANE	24.06	83	115871	4.03 ug/L	100
53)	BROMOFORM	23.89	173	86228	5.15 ug/L	98
54)	ISOPROPYLBENZENE	23.68	105	820432	4.91 ug/L	98
55)	1,2,3-TRICHLOROPROPANE	24.38	110	41908	5.18 ug/L	95
56)	N-PROPYLBENZENE	24.57	91	997207	4.59 ug/L	98
57)	BROMOBENZENE	24.81	156	223716	5.09 ug/L	91
58)	1,3,5-TRIMETHYLBENZENE	24.87	105	746426	5.03 ug/L	98
59)	2-CHLOROTOLUENE	25.05	91	712845	4.77 ug/L	99
60)	4-CHLOROTOLUENE	25.11	91	637741	4.96 ug/L	96
61)	TERT-BUTYLBENZENE	25.68	119	641330	4.74 ug/L	91
62)	1,2,4-TRIMETHYLBENZENE	25.76	105	757963	4.88 ug/L	97
63)	SEC-BUTYLBENZENE	26.13	105	867485	4.67 ug/L	97
64)	P-ISOPROPYLTOLUENE	26.39	119	722639	4.98 ug/L	96
65)	1,3-DICHLOROBENZENE	26.75	146	407629	4.86 ug/L	99
66)	1,4-DICHLOROBENZENE	26.97	146	405946	4.68 ug/L	98
67)	N-BUTYLBENZENE	27.28	91	729467	4.94 ug/L	99
68)	1,2-DICHLOROBENZENE	27.82	146	337691	4.71 ug/L	96
69)	1,2-DIBROMO-3-CHLOROPROPAN	29.59	157	19397	4.31 ug/L	90
70)	1,2,4-TRICHLOROBENZENE	31.89	180	235059	5.19 ug/L	96
71)	HEXACHLOROBUTADIENE	32.20	225	160660	6.86 ug/L	96
72)	NAPHTHALENE	32.72	128	248171	4.46 ug/L	97
73)	1,2,3-TRICHLOROBENZENE	33.44	180	195791	5.52 ug/L	97
74)	NITROBENZENE	29.81	77	88672	87.82 ug/L	87

(#) = qualifier out of range (m) = manual integration
0405R5.D HP031802.M Fri Apr 05 14:09:08 2002 Page 2

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02apr05\0405R5.D Vial: 3
Acq On : 5 Apr 2002 1:30 pm Operator: 201-wb
Sample : ref 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 5 14:08 2002 Quant Results File: HP031802.RES

Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Apr 04 11:11:24 2002
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02apr05\0405R5A.D Vial: 4
Acq On : 5 Apr 2002 2:32 pm Operator: 201-wb
Sample : ref 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 5 15:10 2002 Quant Results File: HP031802.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Apr 04 11:11:24 2002
Response via : Initial Calibration
DataAcq Meth : HP031802

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.05	114	1039332	5.00	ug/L	0.00
24) CHLOROBENZENE-D5	21.73	117	948361	5.00	ug/L	0.02
52) 1,4-DICHLOROBENZENE-D4	26.90	152	492653	5.00	ug/L	0.02
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.29	65	535199	6.25	ug/L	0.00
Spiked Amount 5.000			Recovery	=	125.00%	
3) 4-BROMOFLUOROBENZENE	24.31	174	411642	4.90	ug/L	0.02
Spiked Amount 5.000			Recovery	=	98.00%	
25) TOLUENE-D8	18.41	98	1208886	5.26	ug/L	0.00
Spiked Amount 5.000			Recovery	=	105.20%	
Target Compounds						Qvalue
4) DICHLORODIFLUOROMETHANE	4.83	85	151685	4.42	ug/L	99
5) CHLOROMETHANE	5.43	50	205299	5.01	ug/L	91
6) VINYL CHLORIDE	5.57	62	165302	6.29	ug/L	99
7) BROMOMETHANE	6.54	94	115545	4.68	ug/L	97
8) CHLOROETHANE	6.68	64	129792	5.09	ug/L	99
9) TRICHLOROFLUOROMETHANE	7.25	101	257213	4.97	ug/L	99
12) ACETONE	8.21	43	62389	8.87	ug/L	98
13) 1,1-DICHLOROETHENE	8.57	61	232141	3.74	ug/L	96
14) METHYLENE CHLORIDE	9.57	49	205558	3.73	ug/L	96
15) METHYL TERT BUTYL ETHER	9.88	73	220224	3.95	ug/L	97
16) TRANS-1,2-DICHLOROETHENE	10.23	61	208349	3.34	ug/L	100
17) 1,1-DICHLOROETHANE	11.12	63	243215	3.40	ug/L	99
18) 2-BUTANONE (MEK)	11.95	43	38268	5.01	ug/L	96
19) 2,2-DICHLOROPROPANE	12.34	77	194937	3.46	ug/L	96
20) CIS-1,2-DICHLOROETHENE	12.43	96	144611	3.44	ug/L	98
21) CHLOROFORM	12.77	83	289085	3.74	ug/L	98
22) BROMOCHLOROMETHANE	13.14	49	118644	3.70	ug/L	97
23) 1,2-DICHLOROETHANE	14.49	62	237447	4.44	ug/L	98
26) 1,1,1-TRICHLOROETHANE	13.66	97	215589	4.02	ug/L	98
27) 1,1-DICHLOROPROPENE	13.98	75	186185	3.78	ug/L	95
28) CARBON TETRACHLORIDE	14.25	117	187327	4.06	ug/L	98
29) BENZENE	14.59	78	463868	3.78	ug/L	97
30) TRICHLOROETHENE	15.87	95	147685	3.85	ug/L	93
31) 1,2-DICHLOROPROPANE	16.23	63	123520	3.86	ug/L	100
32) DIBROMOMETHANE	16.89	174	82129	4.52	ug/L	93
33) BROMODICHLOROMETHANE	16.74	83	213593	4.40	ug/L	99
34) 2-CHLOROETHYL VINYL ETHER	17.21	63	43151	3.38	ug/L	95
35) METHYL ISO-BUTYL KETONE	17.30	58	24660	4.51	ug/L	90
36) CIS-1,3-DICHLOROPROPENE	17.83	75	177559	3.82	ug/L	98
37) TOLUENE	18.59	91	501641	3.82	ug/L	100
38) TRANS-1,3-DICHLOROPROPENE	18.87	75	146486	4.27	ug/L	96
39) 1,1,2-TRICHLOROETHANE	19.26	97	95417	4.40	ug/L	92
40) TETRACHLOROETHENE	20.04	166	151689	3.90	ug/L	98
41) 1,3-DICHLOROPROPANE	19.78	76	169783	4.25	ug/L	100
42) DIBROMOCHLOROMETHANE	20.47	129	123851	4.42	ug/L	92
43) 1,2-DIBROMOETHANE	20.93	107	97451	4.40	ug/L	98
44) CHLOROBENZENE	21.79	112	334616	3.78	ug/L	97
45) 1,1,1,2-TETRACHLOROETHANE	21.84	131	130788	4.18	ug/L	94
46) 2-HEXANONE	19.15	43	51918	5.13	ug/L	97
47) ETHYLBENZENE	21.84	91	585423	3.83	ug/L	95
48) P & M-XYLENE	22.00	106	373590	7.17	ug/L	94

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02apr05\0405R5A.D Vial: 4
Acq On : 5 Apr 2002 2:32 pm Operator: 201-wb
Sample : ref 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 5 15:10 2002 Quant Results File: HP031802.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Apr 04 11:11:24 2002
Response via : Initial Calibration
DataAcq Meth : HP031802

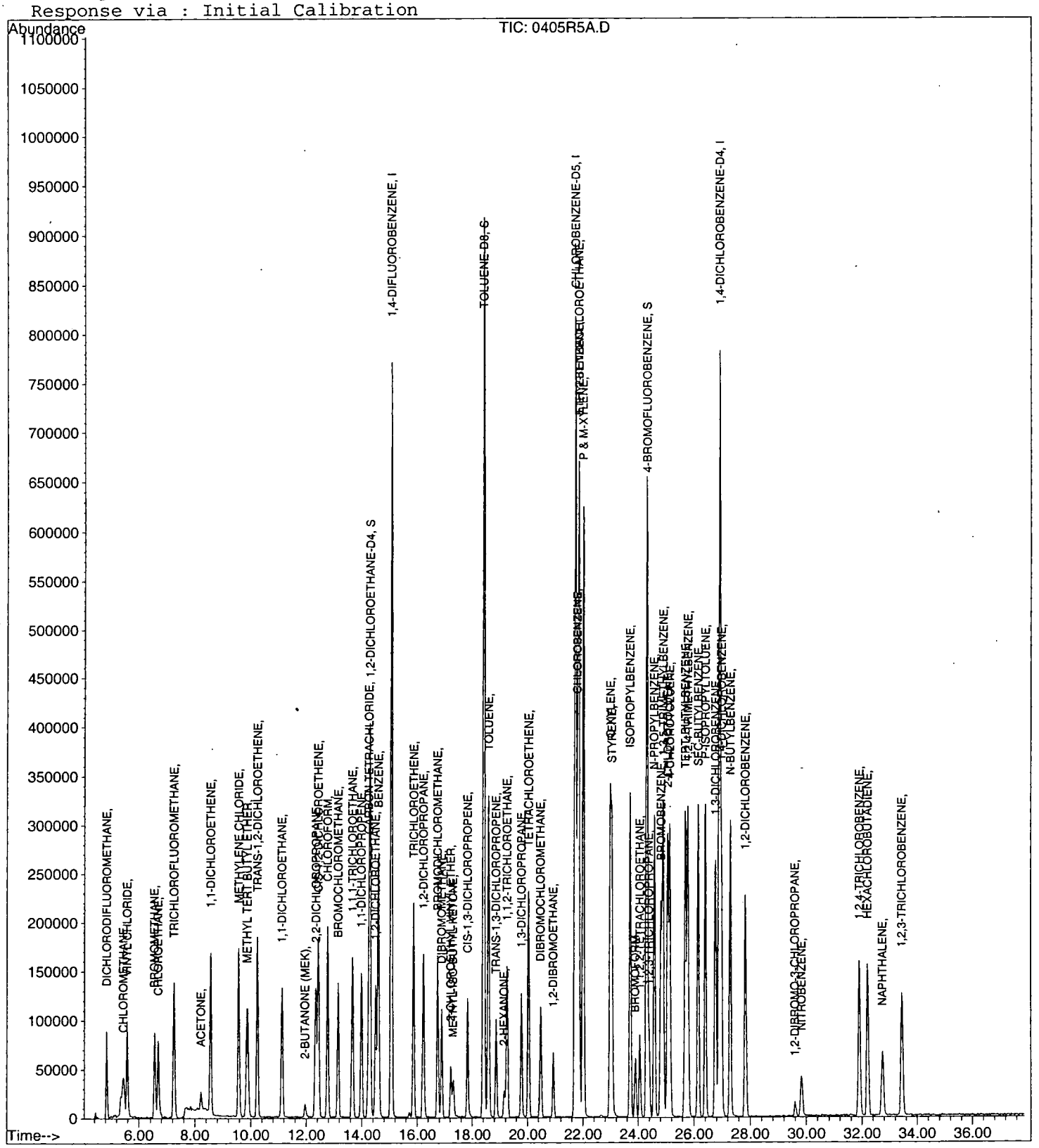
	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
49)	O-XYLENE	22.99	91	443436	3.69 ug/L	98
50)	STYRENE	23.04	104	294348	3.70 ug/L	96
51)	1,1,2,2-TETRACHLOROETHANE	24.06	83	94360	4.30 ug/L	99
53)	BROMOFORM	23.89	173	62828	4.77 ug/L	93
54)	ISOPROPYLBENZENE	23.70	105	459500	3.49 ug/L	100
55)	1,2,3-TRICHLOROPROPANE	24.38	110	32956	5.18 ug/L	97
56)	N-PROPYLBENZENE	24.57	91	578022	3.38 ug/L	97
57)	BROMOBENZENE	24.82	156	143488	4.15 ug/L	94
58)	1,3,5-TRIMETHYLBENZENE	24.89	105	451810	3.87 ug/L	100
59)	2-CHLOROTOLUENE	25.06	91	452043	3.84 ug/L	99
60)	4-CHLOROTOLUENE	25.13	91	375328	3.71 ug/L	97
61)	TERT-BUTYLBENZENE	25.69	119	383124	3.60 ug/L	94
62)	1,2,4-TRIMETHYLBENZENE	25.78	105	473027	3.87 ug/L	99
63)	SEC-BUTYLBENZENE	26.15	105	504154	3.45 ug/L	97
64)	P-ISOPROPYLTOLUENE	26.41	119	428417	3.75 ug/L	96
65)	1,3-DICHLOROBENZENE	26.76	146	258689	3.92 ug/L	99
66)	1,4-DICHLOROBENZENE	26.97	146	264266	3.87 ug/L	98
67)	N-BUTYLBENZENE	27.29	91	435269	3.75 ug/L	99
68)	1,2-DICHLOROBENZENE	27.82	146	227921	4.04 ug/L	99
69)	1,2-DIBROMO-3-CHLOROPROPAN	29.59	157	14529	4.09 ug/L	90
70)	1,2,4-TRICHLOROBENZENE	31.91	180	155808	4.37 ug/L	98
71)	HEXACHLOROBUTADIENE	32.20	225	96711	5.25 ug/L	94
72)	NAPHTHALENE	32.74	128	167313	3.82 ug/L	97
73)	1,2,3-TRICHLOROBENZENE	33.44	180	134713	4.83 ug/L	97
74)	NITROBENZENE	29.83	77	69268	87.21 ug/L	93

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02apr05\0405R5A.D Vial: 4
Acq On : 5 Apr 2002 2:32 pm Operator: 201-wb
Sample : ref 5 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 5 15:10 2002 Quant Results File: HP031802.RES

Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Apr 04 11:11:24 2002
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02apr05\0405B3.D Vial: 4
Acq On : 5 Apr 2002 4:06 pm Operator: 201-wb
Sample : lb Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 5 16:45 2002 Quant Results File: HP031802.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri Apr 05 14:04:41 2002
Response via : Initial Calibration
DataAcq Meth : HP031802

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	0.00	114	0	0.00	ug/L	-15.05
24) CHLOROBENZENE-D5	0.00	117	0	0.00	ug/L	-21.71
52) 1,4-DICHLOROBENZENE-D4	0.00	152	0	0.00	ug/L	-26.88
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	0.00	65	0	0.00	ug/L	
Spiked Amount 5.000			Recovery =	0.00%		
3) 4-BROMOFLUOROBENZENE	0.00	174	0	0.00	ug/L	
Spiked Amount 5.000			Recovery =	0.00%		
25) TOLUENE-D8	0.00	98	0	0.00	ug/L	
Spiked Amount 5.000			Recovery =	0.00%		

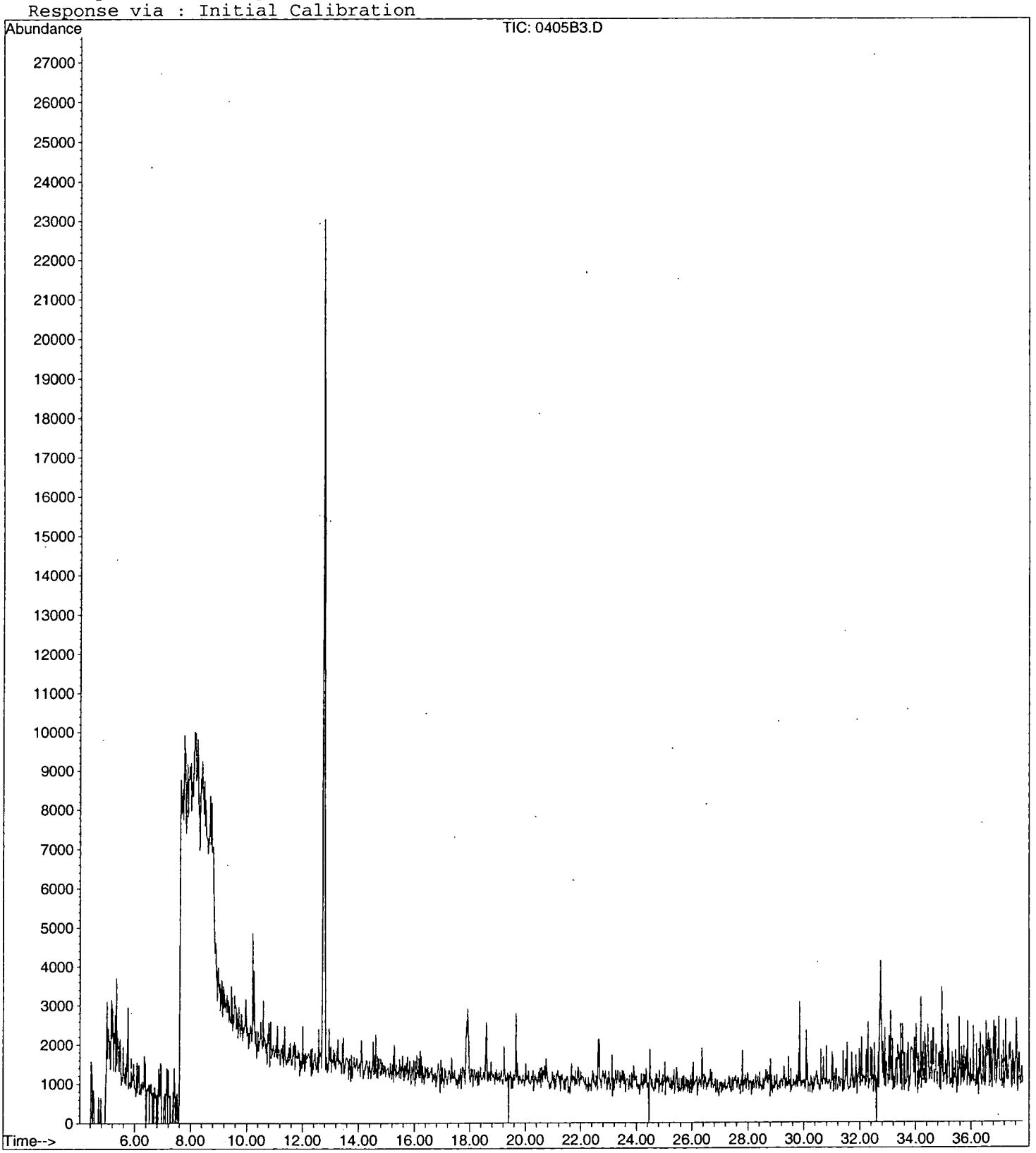
Target Compounds Qvalue

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02apr05\0405B3.D Vial: 4
Acq On : 5 Apr 2002 4:06 pm Operator: 201-wb
Sample : 1b Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 5 16:45 2002 Quant Results File: HP031802.RES

Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri Apr 05 14:04:41 2002
Response via : Initial Calibration



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 14:58:17

Sample: AE08016
Analysis: \$524 Volatile Organic Compounds
Units: ug
Started: 4/5/02 00:05 Ended: 4/5/02 00:05 Analyst: BH
Result source: a:\8016.rr
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Surr - 1,2-DICHLOROETHANE-		5.8		0.5
2	Surr - 4-BROMOFLUOROBENZ		4.4		0.5
3	Dichlorodifluoromethane		< MDL		0.5
4	Chloromethane		< MDL		0.5
5	Vinyl chloride		< MDL		0.5
6	Bromomethane		< MDL		0.5
7	Chloroethane		< MDL		0.5
8	Trichlorofluoromethane		< MDL		0.5
9	1,1-Dichloroethene		< MDL		0.5
10	Methylene Chloride		< MDL		0.5
11	Methyl tert-butyl ether (MTBE)		< MDL		1.0
12	trans-1,2-dichloroethene		< MDL		0.5
13	1,1-dichloroethane		< MDL		0.5
14	2-butanone (MEK)		< MDL		2.0
15	2,2-dichloropropane		< MDL		0.5
16	cis-1,2-dichloroethene		< MDL		0.5
17	*THM-Chloroform		< MDL		0.5
18	Bromochloromethane		< MDL		0.5
19	1,2-dichloroethane		< MDL		0.5
20	Surr - TOLUENE-D8		5.4		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		< MDL		0.5
29	Methyl iso-butyl ketone (MIBK)		< MDL		1.0
30	cis-1,3-dichloropropene		< MDL		0.5
31	Toluene		< MDL		0.5
32	trans-1,3-dichloropropene		< MDL		0.5
33	1,1,2-trichloroethane		< MDL		0.5
34	Tetrachloroethene		< MDL		0.5
35	1,3-dichloropropane		< MDL		0.5
36	*THM-Dibromochloromethane		< MDL		2.0
37	Chlorobenzene		< MDL		0.5
38	1,1,1,2-tetrachloroethane		< MDL		0.5
39	Ethylbenzene		< MDL		0.5
40	P & M-xylene		< MDL		0.5
41	O-xylene		< MDL		0.5
42	Styrene		< MDL		0.5
43	1,1,2,2-tetrachloroethane		< MDL		0.5
44	*THM-Bromoform		< MDL		2.0
45	Isopropylbenzene		< MDL		0.5
46	1,2,3-trichloropropane		< MDL		0.5
47	N-propylbenzene		< MDL		0.5
48	Bromobenzene		< MDL		0.5

REVIEWED BY _____
DATE 4/12/02

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 14:58:17

Sample: AE08016
Analysis: $524 Volatile Organic Compounds
Units: ug
Started: 4/5/02 00:05 Ended: 4/5/02 00:05 Analyst: BH
Result source: a:\8016.rr
Page: 2

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02apr05\8016.D Vial: 6
Acq On : 5 Apr 2002 5:32 pm Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 5 18:11 2002 Quant Results File: HP031802.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri Apr 05 14:04:41 2002
Response via : Initial Calibration
DataAcq Meth : HP031802

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.07	114	974616	5.00	ug/L	0.02
24) CHLOROBENZENE-D5	21.73	117	867481	5.00	ug/L	0.02
52) 1,4-DICHLOROBENZENE-D4	26.90	152	404554	5.00	ug/L	0.02
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.30	65	469614	5.85	ug/L	0.02
Spiked Amount 5.000			Recovery	= 117.00%		
3) 4-BROMOFLUOROBENZENE	24.31	174	345639	4.39	ug/L	0.02
Spiked Amount 5.000			Recovery	= 87.80%		
25) TOLUENE-D8	18.42	98	1131124	5.38	ug/L	0.02
Spiked Amount 5.000			Recovery	= 107.60%		
Target Compounds						Qvalue
12) ACETONE	8.21	43	8559	1.30	ug/L	53
46) 2-HEXANONE	19.10	43	675	0.07	ug/L	27

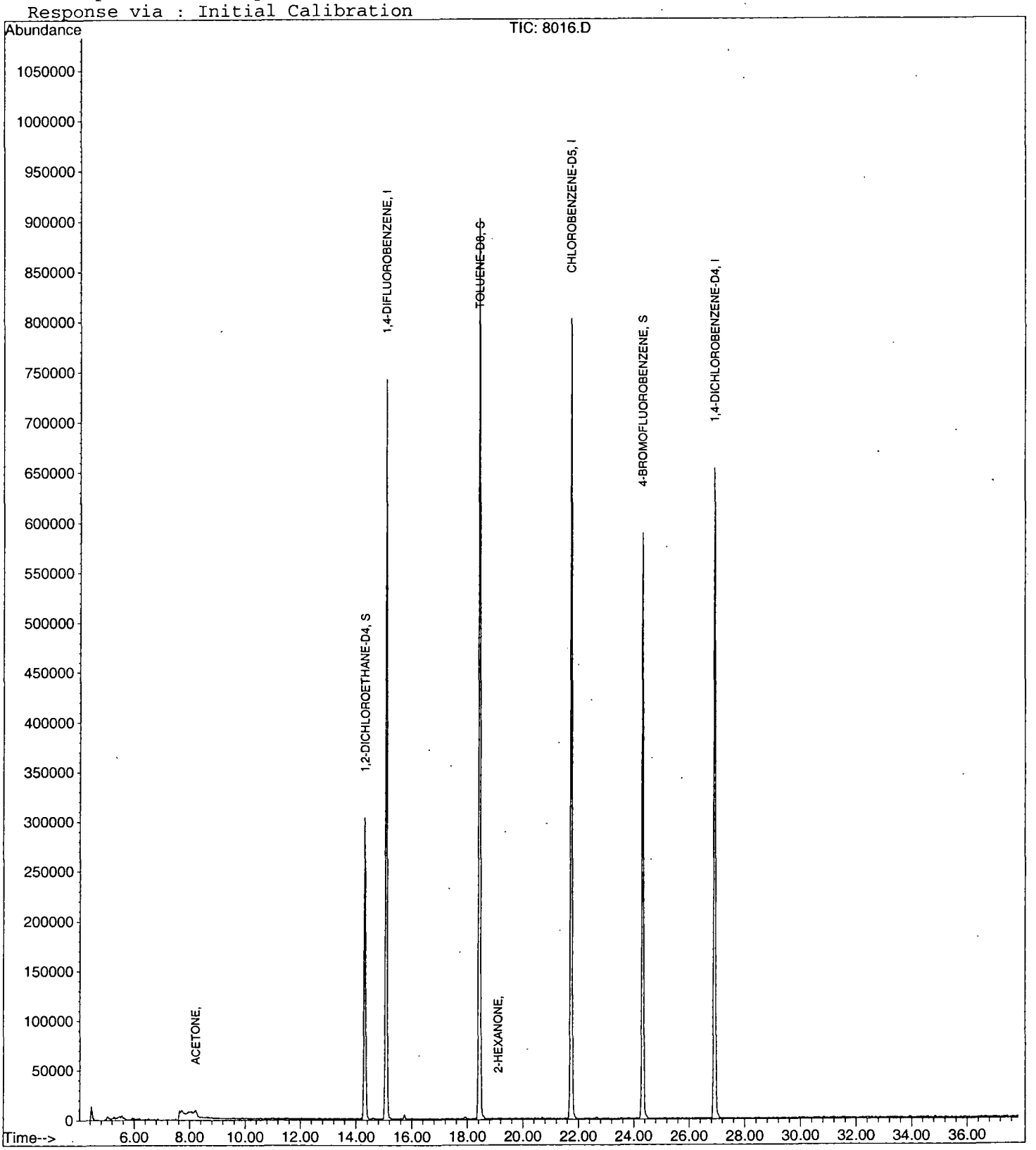
(#) = qualifier out of range (m) = manual integration
8016.D HP031802.M Fri Apr 05 18:11:53 2002 Page 1

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02apr05\8016.D
Acq On : 5 Apr 2002 5:32 pm
Sample : nyc
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 5 18:11 2002

Vial: 6
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP031802.RES

Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri Apr 05 14:04:41 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02apr05\8016.D
Acq On : 5 Apr 2002 5:32 pm
Sample : nyc
Misc :
MS Integration Params: LSCINT.P

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

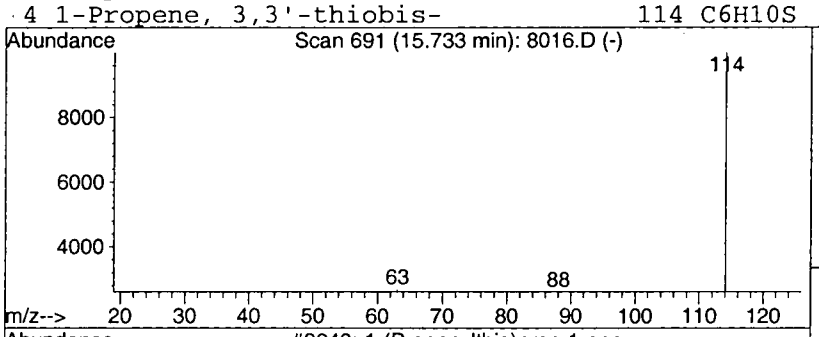
Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

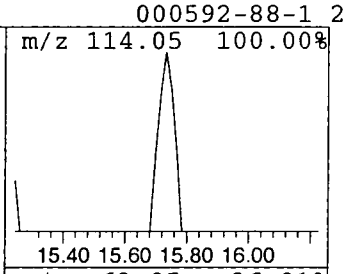
****

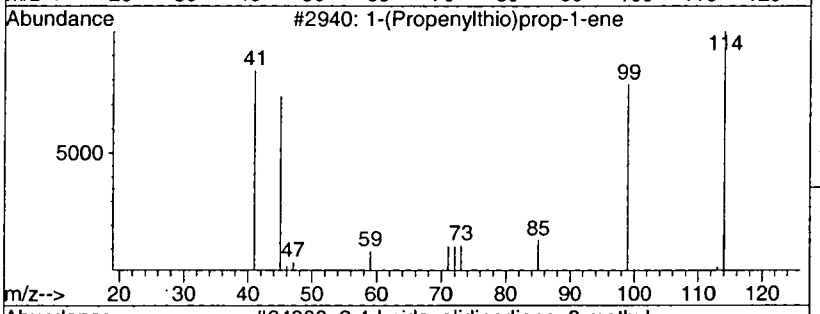
Peak Number 1 1-(Propenylthio)prop-1-ene Concentration Rank 1

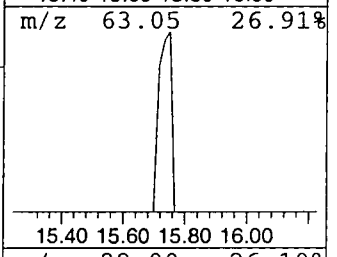
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	0.03 ug/L	15580	1,4-DIFLUOROBENZENE	15.07

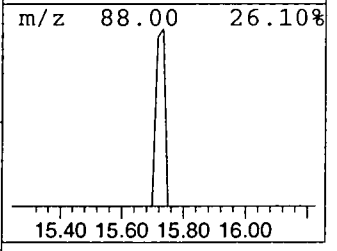
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(Propenylthio)prop-1-ene	114	C6H10S	000000-00-0	3
2	2,4-Imidazolidinedione, 3-methyl-	114	C4H6N2O2	006843-45-4	3
3	3-Cyclobutene-1,2-dione, 3,4-dihydr	114	C4H2O4	002892-51-5	2
4	1-Propene, 3,3'-thiobis-	114	C6H10S	000592-88-1	2

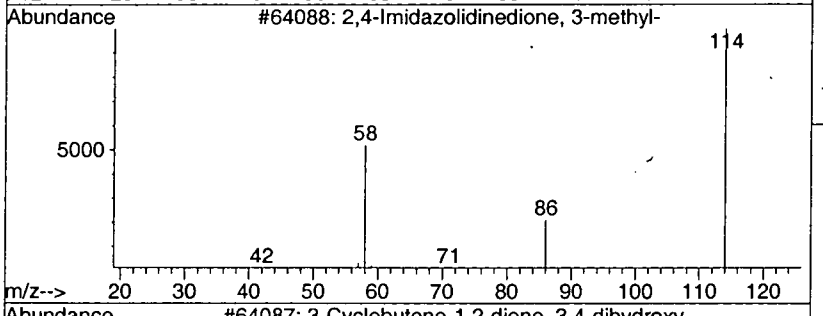


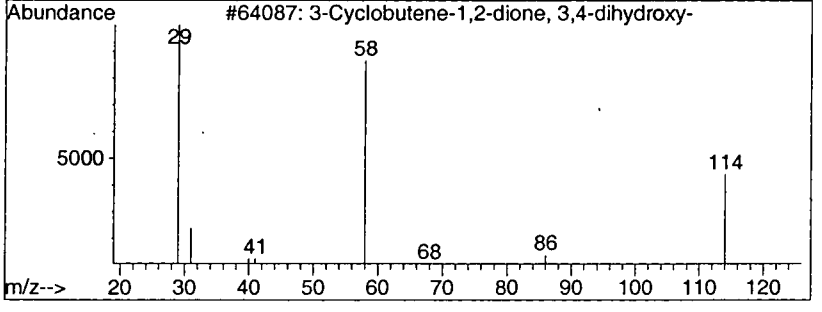












User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 15:00:23

Sample: AE08016
Analysis: $D_524 Volatile Organic Compounds-Duplicate
Units: ug
Started: 4/5/02 00:06 Ended: 4/5/02 00:06 Analyst: BH
Result source: a:\8016d.rr
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Surr - 1,2-DICHLOROETHANE-		6.0		.5
2	Surr - 4-BROMOFLUOROBENZ		4.4		.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		< MDL		.5
18	Bromochloromethane		< MDL		.5
19	1,2-dichloroethane		< MDL		.5
20	Surr - TOLUENE-D8		5.3		.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		< MDL		.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
48	Bromobenzene		< MDL		.5

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 15:00:23

Sample: AE08016
Analysis: $D_524 Volatile Organic Compounds-Duplicate
Units: ug
Started: 4/5/02 00:06 Ended: 4/5/02 00:06 Analyst: BH
Result source: a:\8016d.rr
Page: 2

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

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 15:00:35

Sample: AE08016
Analysis: $P_524 Duplicate calculation for 524
Units: ug
Started: 4/5/02 00:05 Ended: 4/5/02 00:05 Analyst: BH
Result source: calculation
Page: 1

	Component Name	Viol	Result
1	Surr - 1,2-DICHLOROETHANE-		0.20
2	Surr - 4-BROMOFLUOROBENZ		0.0
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-DICHLOROETHEN		< MDL
13	1,1-DICHLOROETHANE		< MDL
14	2-BUTANONE (MEK)		< MDL
15	2,2-DICHLOROPROPANE		< MDL
16	CIS-1,2-DICHLOROETHENE		< MDL
17	*THM-CHLOROFORM		< MDL
18	BROMOCHLOROMETHANE		< MDL
19	1,2-DICHLOROETHANE		< MDL
20	Surr - TOLUENE-D8		0.10
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-BROMODICHLOROMET		< MDL
29	METHYL ISO-BUTYL KETONE		< MDL
30	CIS-1,3-DICHLOROPROPENE		< MDL
31	TOLUENE		< MDL
32	TRANS-1,3-DICHLOROPROPE		< MDL
33	1,1,2-TRICHLOROETHANE		< MDL
34	TETRACHLOROETHENE		< MDL
35	1,3-DICHLOROPROPANE		< MDL
36	*THM-DIBROMOCHLOROMET		< MDL
37	1,2-DIBROMOETHANE		< MDL
38	CHLOROBENZENE		< MDL
39	1,1,1,2-TETRACHLOROETHA		< 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-TETRACHLOROETHA		< MDL
46	*THM-BROMOFORM		< MDL
47	ISOPROPYLBENZENE		< MDL
48	1,2,3-TRICHLOROPROPANE		< MDL

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 15:00:35

Sample: AE08016
Analysis: $P_524 Duplicate calculation for 524
Units: ug
Started: 4/5/02 00:05 Ended: 4/5/02 00:05 Analyst: BH
Result source: calculation
Page: 2

	Component Name	Viol	Result
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-CHLOROPRO		< MDL
63	1,2,4-TRICHLOROBENZENE		< MDL
64	HEXACHLOROBUTADIENE		< MDL
65	NAPHTHALENE		< MDL
66	1,2,3-TRICHLOROBENZENE		< MDL

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02apr05\8016D.D Vial: 7
Acq On : 5 Apr 2002 6:16 pm Operator: 201-wb
Sample : nyc dup Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 5 18:54 2002 Quant Results File: HP031802.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri Apr 05 14:04:41 2002
Response via : Initial Calibration
DataAcq Meth : HP031802

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.07	114	1009672	5.00	ug/L	0.02
24) CHLOROBENZENE-D5	21.73	117	902649	5.00	ug/L	0.02
52) 1,4-DICHLOROBENZENE-D4	26.90	152	416195	5.00	ug/L	0.02
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.30	65	497622	5.98	ug/L	0.02
Spiked Amount 5.000			Recovery = 119.60%			
3) 4-BROMOFLUOROBENZENE	24.31	174	359085	4.40	ug/L	0.02
Spiked Amount 5.000			Recovery = 88.00%			
25) TOLUENE-D8	18.42	98	1161977	5.31	ug/L	0.02
Spiked Amount 5.000			Recovery = 106.20%			
Target Compounds						Qvalue
12) ACETONE	8.22	43	4710	0.69	ug/L	53

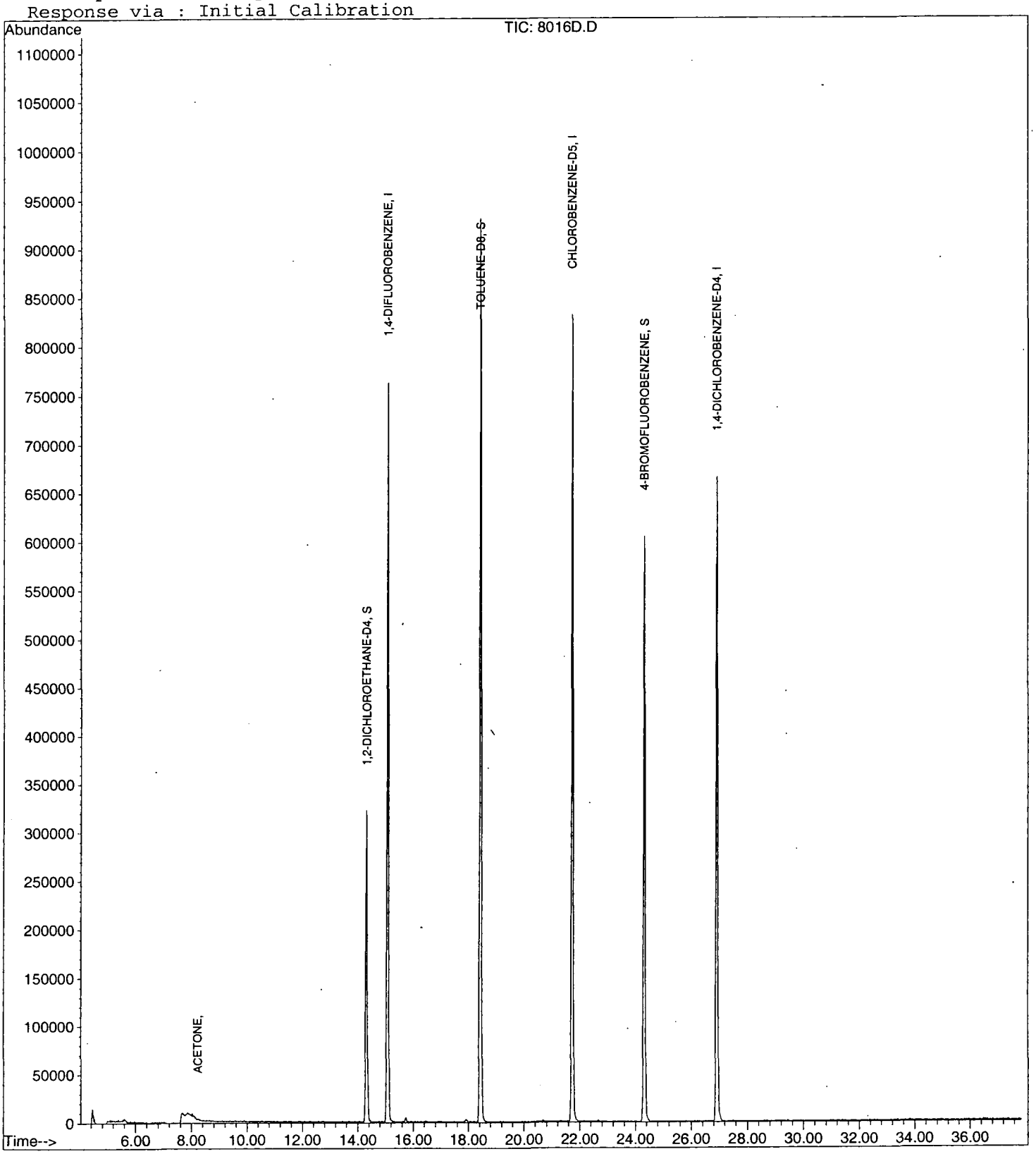
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02apr05\8016D.D
Acq On : 5 Apr 2002 6:16 pm
Sample : nyc dup
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 5 18:54 2002

Vial: 7
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP031802.RES

Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri Apr 05 14:04:41 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02apr05\8016D.D Vial: 7
Acq On : 5 Apr 2002 6:16 pm Operator: 201-wb
Sample : nyc dup Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

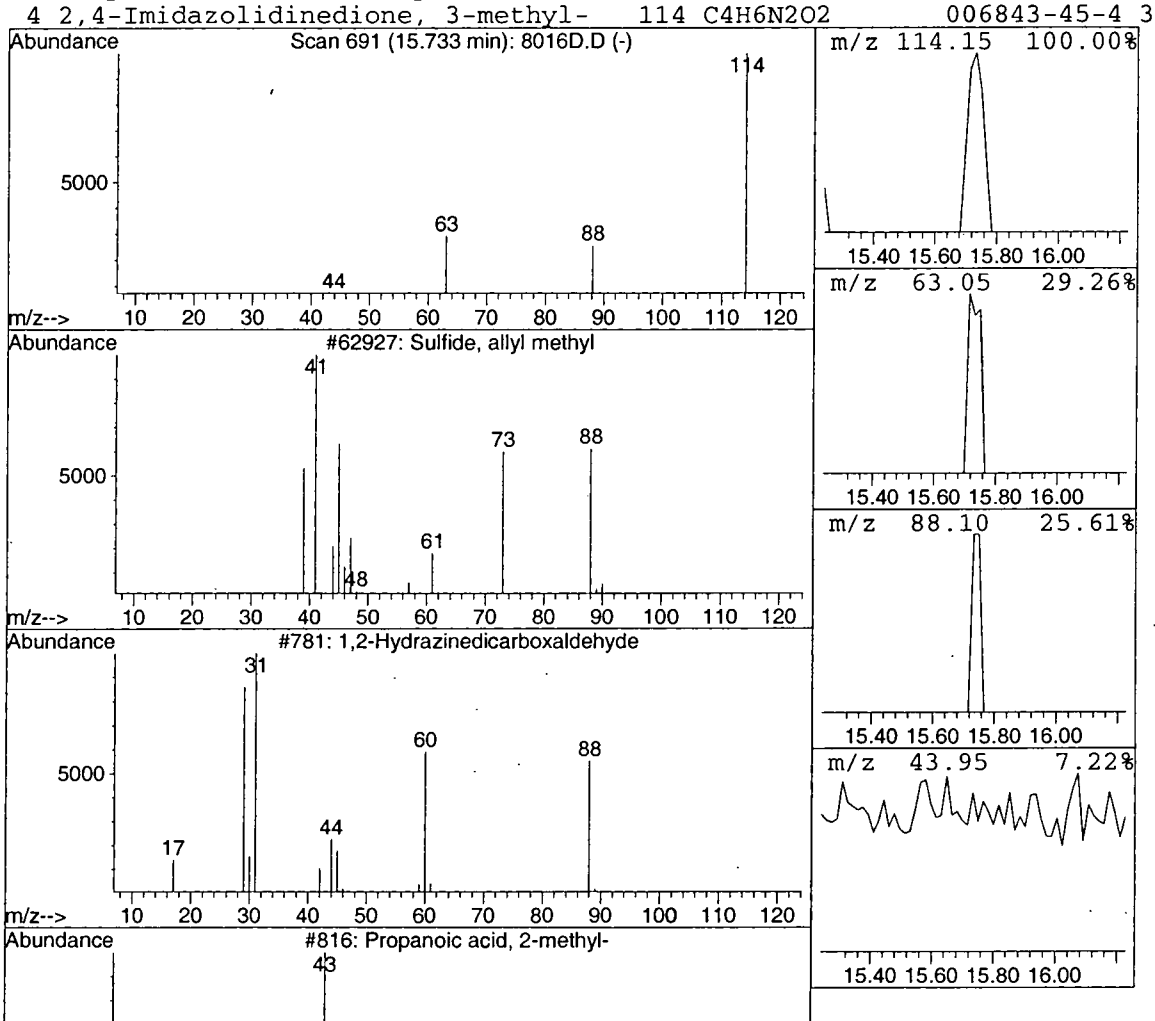
Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 Sulfide, allyl methyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	0.03 ug/L	14568	1,4-DIFLUOROBENZENE	15.07

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	2,4-Imidazolidinedione, 3-methyl-	114	C4H6N2O2	006843-45-4	3



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 15:01:23

Sample: AE08017
Analysis: \$524 Volatile Organic Compounds
Units: ug
Started: 4/5/02 00:06 Ended: 4/5/02 00:06 Analyst: BH
Result source: a:\8017.rr
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Surr - 1,2-DICHLOROETHANE-		5.9		0.5
2	Surr - 4-BROMOFLUOROBENZ		4.5		0.5
3	Dichlorodifluoromethane		< MDL		0.5
4	Chloromethane		< MDL		0.5
5	Vinyl chloride		< MDL		0.5
6	Bromomethane		< MDL		0.5
7	Chloroethane		< MDL		0.5
8	Trichlorofluoromethane		< MDL		0.5
9	1,1-Dichloroethene		< MDL		0.5
10	Methylene Chloride		< MDL		0.5
11	Methyl tert-butyl ether (MTBE)		< MDL		1.0
12	trans-1,2-dichloroethene		< MDL		0.5
13	1,1-dichloroethane		< MDL		0.5
14	2-butanone (MEK)		< MDL		2.0
15	2,2-dichloropropane		< MDL		0.5
16	cis-1,2-dichloroethene		< MDL		0.5
17	*THM-Chloroform		< MDL		0.5
18	Bromochloromethane		< MDL		0.5
19	1,2-dichloroethane		< MDL		0.5
20	Surr - TOLUENE-D8		5.3		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-Bromodichloromethane		< MDL		0.5
29	Methyl iso-butyl ketone (MIBK)		< MDL		1.0
30	cis-1,3-dichloropropene		< MDL		0.5
31	Toluene		< MDL		0.5
32	trans-1,3-dichloropropene		< MDL		0.5
33	1,1,2-trichloroethane		< MDL		0.5
34	Tetrachloroethene		< MDL		0.5
35	1,3-dichloropropane		< MDL		0.5
36	*THM-Dibromochloromethane		< MDL		2.0
37	Chlorobenzene		< MDL		0.5
38	1,1,1,2-tetrachloroethane		< MDL		0.5
39	Ethylbenzene		< MDL		0.5
40	P & M-xylene		< MDL		0.5
41	O-xylene		< MDL		0.5
42	Styrene		< MDL		0.5
43	1,1,2,2-tetrachloroethane		< MDL		0.5
44	*THM-Bromoform		< MDL		2.0
45	Isopropylbenzene		< MDL		0.5
46	1,2,3-trichloropropane		< MDL		0.5
47	N-propylbenzene		< MDL		0.5
48	Bromobenzene		< MDL		0.5

REVIEWED BY AV
DATE 4/12/02

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 15:01:23

Sample: AE08017
Analysis: $524 Volatile Organic Compounds
Units: ug
Started: 4/5/02 00:06 Ended: 4/5/02 00:06 Analyst: BH
Result source: a:\8017.rr
Page: 2

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02apr05\8017.D Vial: 7
Acq On : 5 Apr 2002 6:59 pm Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 5 19:37 2002 Quant Results File: HP031802.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri Apr 05 14:04:41 2002
Response via : Initial Calibration
DataAcq Meth : HP031802

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.07	114	1218632	5.00	ug/L	0.02
24) CHLOROBENZENE-D5	21.73	117	1098974	5.00	ug/L	0.02
52) 1,4-DICHLOROBENZENE-D4	26.92	152	505917	5.00	ug/L	0.04
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.30	65	591143	5.89	ug/L	0.02
Spiked Amount 5.000			Recovery =	117.80%		
3) 4-BROMOFLUOROBENZENE	24.31	174	441153	4.48	ug/L	0.02
Spiked Amount 5.000			Recovery =	89.60%		
25) TOLUENE-D8	18.42	98	1423983	5.35	ug/L	0.02
Spiked Amount 5.000			Recovery =	107.00%		
Target Compounds						Qvalue
12) ACETONE	8.22	43	4348	0.53	ug/L	53

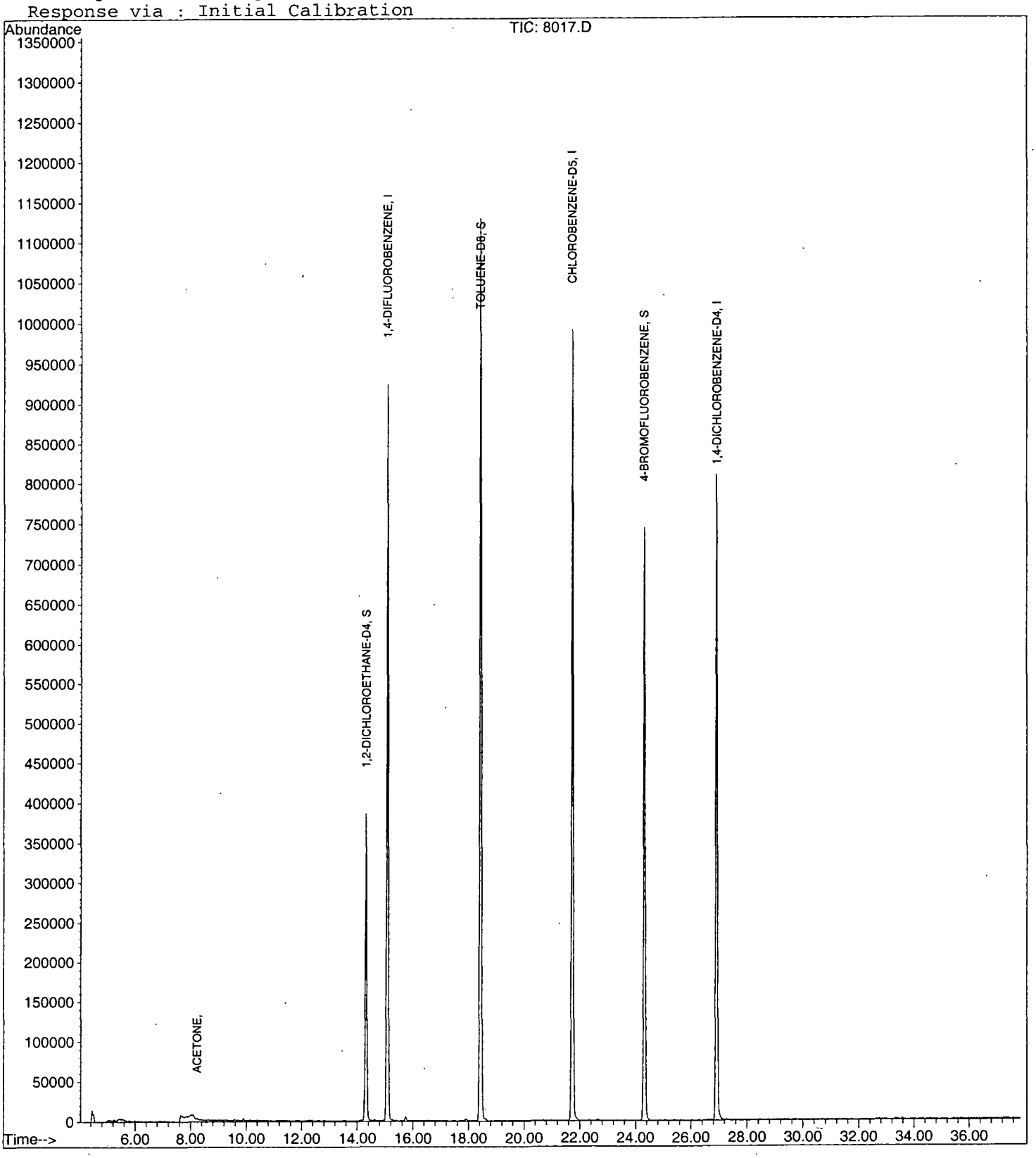
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02apr05\8017.D
Acq On : 5 Apr 2002 6:59 pm
Sample : nyc
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 5 19:37 2002

Vial: 7
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP031802.RES

Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri Apr 05 14:04:41 2002
Response via : Initial Calibration



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 15:01:44

Sample: AE08018
Analysis: \$524 Volatile Organic Compounds
Units: ug
Started: 4/5/02 00:07 Ended: 4/5/02 00:07 Analyst: BH
Result source: a:\8018.rr
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Surr - 1,2-DICHLOROETHANE-		5.9		0.5
2	Surr - 4-BROMOFLUOROBENZ		4.4		0.5
3	Dichlorodifluoromethane		< MDL		0.5
4	Chloromethane		< MDL		0.5
5	Vinyl chloride		< MDL		0.5
6	Bromomethane		< MDL		0.5
7	Chloroethane		< MDL		0.5
8	Trichlorofluoromethane		< MDL		0.5
9	1,1-Dichloroethene		< MDL		0.5
10	Methylene Chloride		< MDL		0.5
11	Methyl tert-butyl ether (MTBE)		< MDL		1.0
12	trans-1,2-dichloroethene		< MDL		0.5
13	1,1-dichloroethane		< MDL		0.5
14	2-butanone (MEK)		< MDL		2.0
15	2,2-dichloropropane		< MDL		0.5
16	cis-1,2-dichloroethene		< MDL		0.5
17	*THM-Chloroform		< MDL		0.5
18	Bromochloromethane		< MDL		0.5
19	1,2-dichloroethane		< MDL		0.5
20	Surr - TOLUENE-D8		5.4		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		< MDL		0.5
29	Methyl iso-butyl ketone (MIBK)		< MDL		1.0
30	cis-1,3-dichloropropene		< MDL		0.5
31	Toluene		< MDL		0.5
32	trans-1,3-dichloropropene		< MDL		0.5
33	1,1,2-trichloroethane		< MDL		0.5
34	Tetrachloroethene		< MDL		0.5
35	1,3-dichloropropane		< MDL		0.5
36	*THM-Dibromochloromethane		< MDL		2.0
37	Chlorobenzene		< MDL		0.5
38	1,1,1,2-tetrachloroethane		< MDL		0.5
39	Ethylbenzene		< MDL		0.5
40	P & M-xylene		< MDL		0.5
41	O-xylene		< MDL		0.5
42	Styrene		< MDL		0.5
43	1,1,2,2-tetrachloroethane		< MDL		0.5
44	*THM-Bromoform		< MDL		2.0
45	Isopropylbenzene		< MDL		0.5
46	1,2,3-trichloropropane		< MDL		0.5
47	N-propylbenzene		< MDL		0.5
48	Bromobenzene		< MDL		0.5

REVIEWED BY AV
DATE 4/12/02

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 15:01:44

Sample: AE08018
Analysis: $524 Volatile Organic Compounds
Units: ug
Started: 4/5/02 00:07 Ended: 4/5/02 00:07 Analyst: BH
Result source: a:\8018.rr
Page: 2

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02apr05\8018.D Vial: 8
Acq On : 5 Apr 2002 7:42 pm Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 5 20:20 2002 Quant Results File: HP031802.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri Apr 05 14:04:41 2002
Response via : Initial Calibration
DataAcq Meth : HP031802

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.09	114	1206270	5.00	ug/L	0.04
24) CHLOROBENZENE-D5	21.74	117	1071905	5.00	ug/L	0.04
52) 1,4-DICHLOROBENZENE-D4	26.92	152	489065	5.00	ug/L	0.04
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.32	65	589651	5.93	ug/L	0.04
Spiked Amount 5.000			Recovery =	118.60%		
3) 4-BROMOFLUOROBENZENE	24.33	174	425910	4.37	ug/L	0.04
Spiked Amount 5.000			Recovery =	87.40%		
25) TOLUENE-D8	18.44	98	1407798	5.42	ug/L	0.04
Spiked Amount 5.000			Recovery =	108.40%		
Target Compounds						Qvalue
12) ACETONE	8.23	43	8070	0.99	ug/L	68

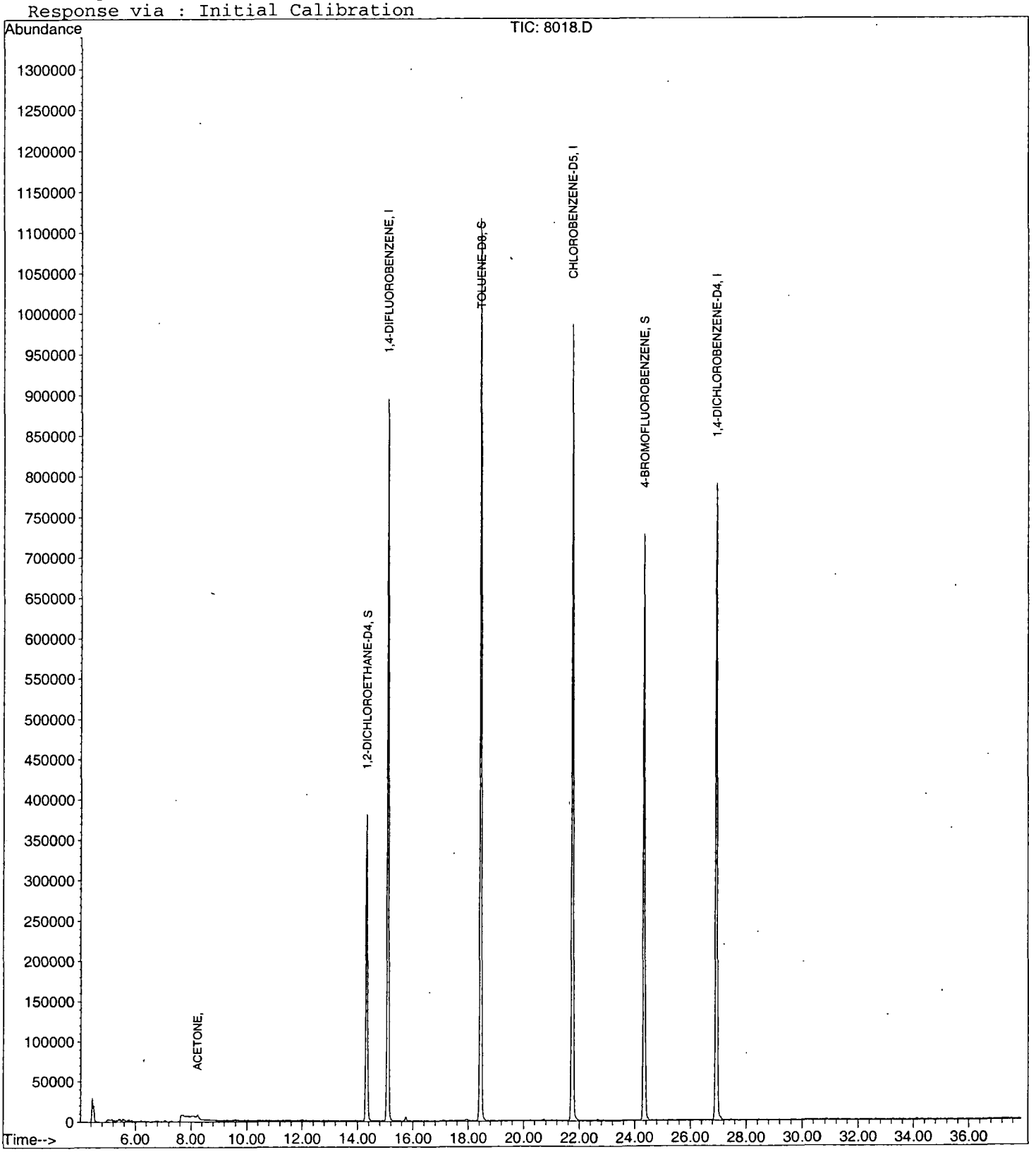
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02apr05\8018.D
Acq On : 5 Apr 2002 7:42 pm
Sample : nyc
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 5 20:20 2002

Vial: 8
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP031802.RES

Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri Apr 05 14:04:41 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02apr05\8018.D Vial: 8
Acq On : 5 Apr 2002 7:42 pm Operator: 201-wb
Sample : nyc Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

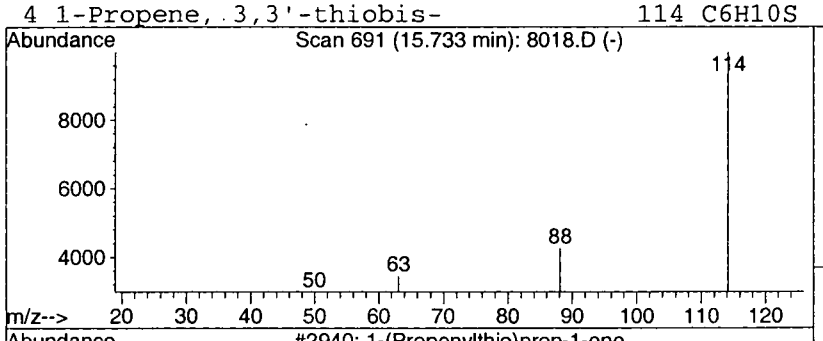
Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

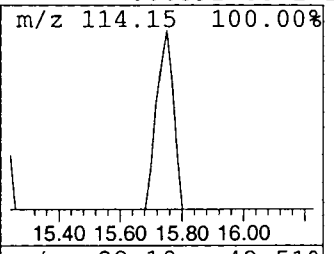
****

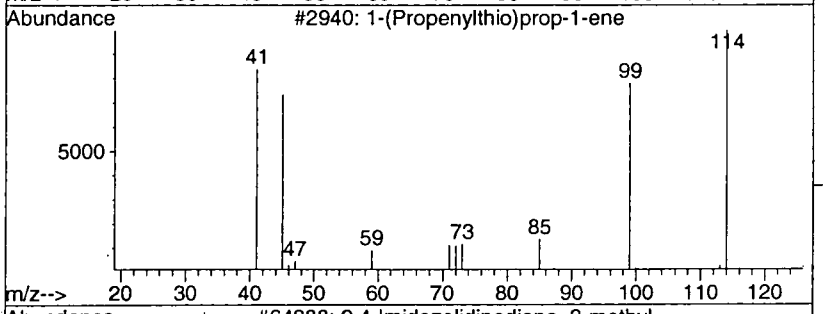
Peak Number 1 1-(Propenylthio)prop-1-ene Concentration Rank 1

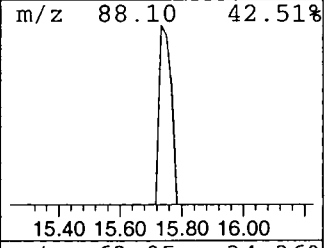
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	0.03 ug/L	19097	1,4-DIFLUOROBENZENE	15.09

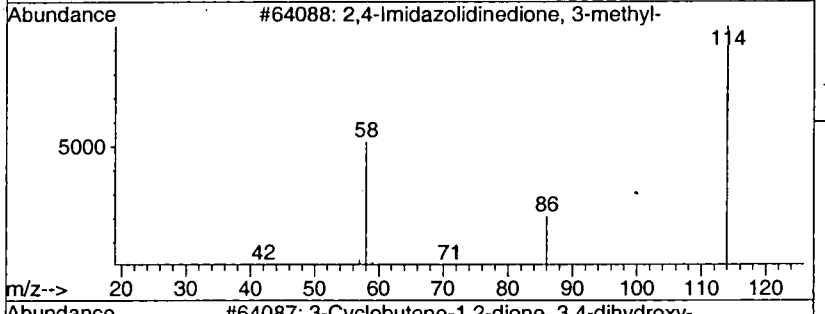
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(Propenylthio)prop-1-ene	114	C6H10S	000000-00-0	3
2	2,4-Imidazolidinedione, 3-methyl-	114	C4H6N2O2	006843-45-4	3
3	3-Cyclobutene-1,2-dione, 3,4-dihydr	114	C4H2O4	002892-51-5	2
4	1-Propene, 3,3'-thiobis-	114	C6H10S	000592-88-1	2

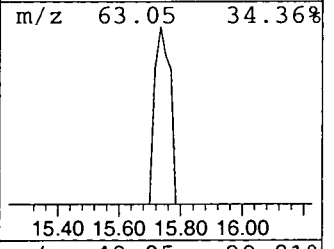


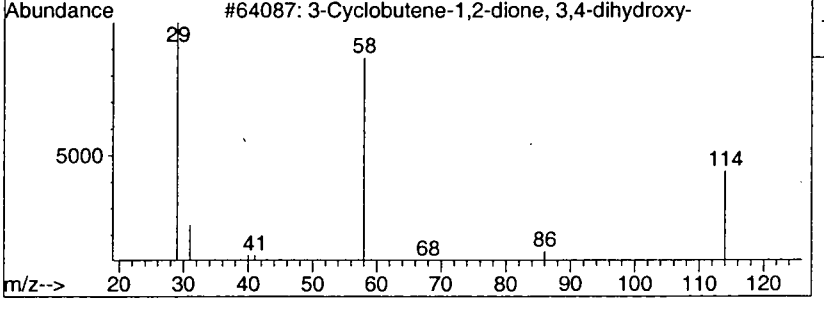


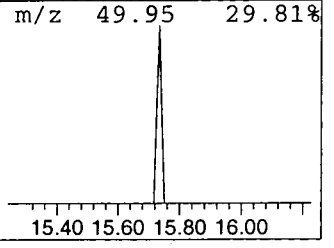












User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 14:59:10

Sample: AE08016
Analysis: $C2524 Volatile Organic Compounds-Cal 2
Units: ug
Started: 4/5/02 00:08 Ended: 4/5/02 00:08 Analyst: BH
Result source: a:\0405c10b.rr
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Surr_1,2-DICHLOROETHANE-D		6.0		.5
2	Surr_4-BROMOFLUOROBENZE		5.0		.5
3	Dichlorodifluoromethane		7.3		.5
4	Chloromethane		7.4		.5
5	Vinyl chloride		11		.5
6	Bromomethane		8.8		.5
7	Chloroethane		8.9		.5
8	Trichlorofluoromethane		8.2		.5
9	1,1-Dichloroethene	LSPEC	6.3		.5
10	Methylene Chloride		7.4		.5
11	Methyl tert-butyl ether (MTBE)		7.0		1.0
12	trans-1,2-dichloroethene		7.3		.5
13	1,1-dichloroethane		7.5		.5
14	2-butanone (MEK)		29		2.0
15	2,2-dichloropropane		7.2		.5
16	cis-1,2-dichloroethene		7.7		.5
17	Chloroform		8.4		.5
18	Bromochloromethane		7.7		.5
19	1,2-dichloroethane		8.8		.5
20	Surr_TOLUENE-D8		5.2		.5
21	1,1,1- trichloroethane		9.0		.5
22	1,1-dichloropropene		8.2		.5
23	Carbon tetrachloride		9.1		.5
24	Benzene		8.1		.5
25	Trichloroethene		8.5		.5
26	1,2-dichloropropane		8.3		.5
27	Dibromomethane		9.1		.5
28	Bromodichloromethane		9.1		.5
29	Methyl iso-butyl ketone		34		1.0
30	cis-1,3-dichloropropene		8.1		.5
31	Toluene		8.5		.5
32	trans-1,3-dichloropropene		8.5		.5
33	1,1,2-trichloroethane		8.4		.5
34	Tetrachloroethene		8.8		.5
35	1,3-dichloropropane		8.4		.5
36	Dibromochloromethane		8.9		2.0
37	Chlorobenzene		8.3		.5
38	1,1,1,2-tetrachloroethane		9.0		.5
39	Ethylbenzene		8.8		.5
40	P & M-xylene		17		.5
41	O-xylene		8.9		.5
42	Styrene		8.6		.5
43	1,1,2,2-tetrachloroethane		8.0		.5
44	Bromoform		10		2.0
45	Isopropylbenzene		9.0		.5
46	1,2,3-trichloropropane		9.7		.5
47	N-propylbenzene		8.7		.5
48	Bromobenzene		9.3		.5

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 14:59:10

Sample: AE08016
Analysis: $C2524 Volatile Organic Compounds-Cal 2
Units: ug
Started: 4/5/02 00:08 Ended: 4/5/02 00:08 Analyst: BH
Result source: a:\0405c10b.rr
Page: 2

	Component Name	Viol	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		9.2		.5
50	2-chlorotoluene		8.5		.5
51	4-chlorotoluene		9.6		.5
52	TERT-butylbenzene		8.9		.5
53	1,2,4-trimethylbenzene		9.1		.5
54	SEC-butylbenzene		8.6		.5
55	P-isopropyltoluene		8.7		.5
56	1,3-dichlorobenzene		8.9		.5
57	1,4-dichlorobenzene		8.7		.5
58	N-butylbenzene		8.7		.5
59	1,2-dichlorobenzene		8.8		.5
60	1,2,4-trichlorobenzene		9.5		.5
61	Hexachlobutadiene		12		.5
62	Naphthalene		7.8		.5
63	1,2,3-trichlorobenzene		9.8		.5
64	Nitrobenzene		160		5.0

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02APR05\0405C10B.D Vial: 2
Acq On : 5 Apr 2002 8:25 pm Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 8 9:36 2002 Quant Results File: HP031802.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Apr 08 09:36:34 2002
Response via : Initial Calibration
DataAcq Meth : HP031802

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.07	114	1259403	5.00	ug/L	0.02
24) CHLOROBENZENE-D5	21.73	117	1177867	5.00	ug/L	0.02
52) 1,4-DICHLOROBENZENE-D4	26.92	152	613263	5.00	ug/L	0.04
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.30	65	624712	6.02	ug/L	0.02
Spiked Amount 5.000			Recovery	=	120.40%	
3) 4-BROMOFLUOROBENZENE	24.31	174	510922	5.02	ug/L	0.02
Spiked Amount 5.000			Recovery	=	100.40%	
25) TOLUENE-D8	18.42	98	1490029	5.22	ug/L	0.02
Spiked Amount 5.000			Recovery	=	104.40%	
Target Compounds						Qvalue
4) DICHLORODIFLUOROMETHANE	4.83	85	272800	7.29	ug/L	99
5) CHLOROMETHANE	5.46	50	368812	7.42	ug/L	97
6) VINYL CHLORIDE	5.57	62	302855	10.93	ug/L	100
7) BROMOMETHANE	6.55	94	263008	8.80	ug/L	98
8) CHLOROETHANE	6.70	64	273792	8.87	ug/L	98
9) TRICHLOROFLUOROMETHANE	7.25	101	512233	8.16	ug/L	95
11) 1,1,2-Trichloro-1,2,2-trif	8.14	101	5509	0.20	ug/L	96
12) ACETONE	8.22	43	224805	26.38	ug/L	95
13) 1,1-DICHLOROETHENE	8.58	61	473481	6.34	ug/L	99
14) METHYLENE CHLORIDE	9.59	49	497012	7.43	ug/L	99
15) METHYL TERT BUTYL ETHER	9.89	73	469496	6.95	ug/L	99
16) TRANS-1,2-DICHLOROETHENE	10.25	61	552010	7.31	ug/L	95
17) 1,1-DICHLOROETHANE	11.14	63	653007	7.54	ug/L	97
18) 2-BUTANONE (MEK)	11.97	43	267549	28.88	ug/L	100
19) 2,2-DICHLOROPROPANE	12.36	77	488215	7.16	ug/L	93
20) CIS-1,2-DICHLOROETHENE	12.45	96	391531	7.69	ug/L	97
21) CHLOROFORM	12.79	83	786017	8.39	ug/L	100
22) BROMOCHLOROMETHANE	13.16	49	300593	7.73	ug/L	92
23) 1,2-DICHLOROETHANE	14.51	62	567372	8.76	ug/L	98
26) 1,1,1-TRICHLOROETHANE	13.67	97	597319	8.98	ug/L	97
27) 1,1-DICHLOROPROPENE	14.00	75	501965	8.21	ug/L	95
28) CARBON TETRACHLORIDE	14.27	117	519431	9.07	ug/L	99
29) BENZENE	14.61	78	1238186	8.13	ug/L	98
30) TRICHLOROETHENE	15.89	95	405390	8.51	ug/L	99
31) 1,2-DICHLOROPROPANE	16.23	63	328926	8.27	ug/L	98
32) DIBROMOMETHANE	16.91	174	205201	9.10	ug/L	96
33) BROMODICHLOROMETHANE	16.75	83	549427	9.12	ug/L	99
34) 2-CHLOROETHYL VINYL ETHER	17.23	63	124769	7.86	ug/L	92
35) METHYL ISO-BUTYL KETONE	17.32	58	229895	33.84	ug/L	83
36) CIS-1,3-DICHLOROPROPENE	17.84	75	469010	8.13	ug/L	97
37) TOLUENE	18.61	91	1381016	8.46	ug/L	98
38) TRANS-1,3-DICHLOROPROPENE	18.88	75	360079	8.46	ug/L	98
39) 1,1,2-TRICHLOROETHANE	19.26	97	226903	8.42	ug/L	96
40) TETRACHLOROETHENE	20.04	166	425506	8.81	ug/L	99
41) 1,3-DICHLOROPROPANE	19.80	76	416114	8.38	ug/L	97
42) DIBROMOCHLOROMETHANE	20.48	129	309395	8.89	ug/L	94
43) 1,2-DIBROMOETHANE	20.94	107	228755	8.32	ug/L	97
44) CHLOROBENZENE	21.81	112	917820	8.35	ug/L	93
45) 1,1,1,2-TETRACHLOROETHANE	21.86	131	348256	8.97	ug/L	97
46) 2-HEXANONE	19.15	43	438923	34.91	ug/L	91
47) ETHYLBENZENE	21.86	91	1679423	8.85	ug/L	99

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02APR05\0405C10B.D Vial: 2
Acq On : 5 Apr 2002 8:25 pm Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 8 9:36 2002 Quant Results File: HP031802.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Apr 08 09:36:34 2002
Response via : Initial Calibration
DataAcq Meth : HP031802

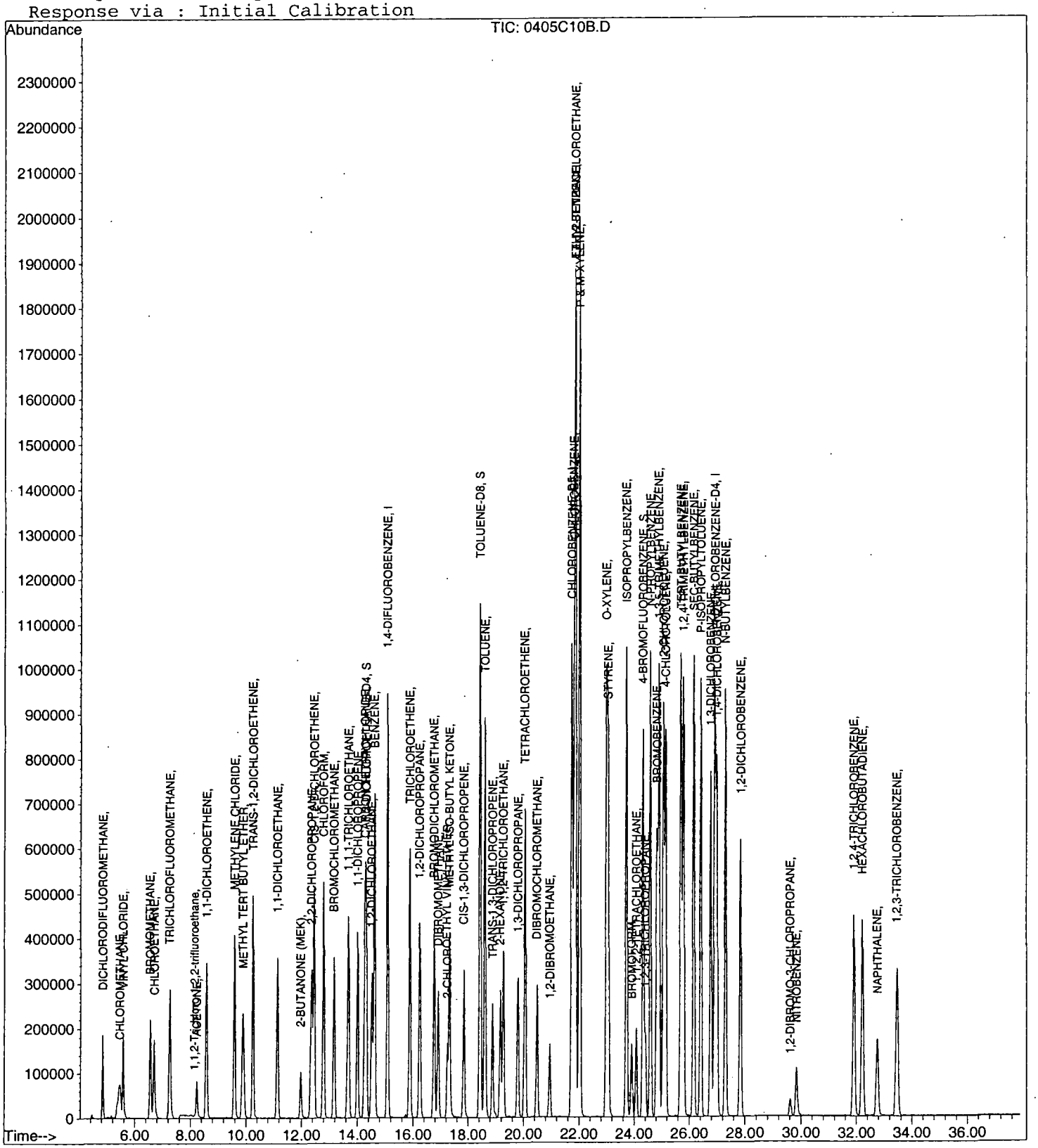
	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
48)	P & M-XYLENE	22.01	106	1116272	17.25	ug/L	87
49)	O-XYLENE	22.99	91	1332670	8.93	ug/L	98
50)	STYRENE	23.05	104	853138	8.62	ug/L	99
51)	1,1,2,2-TETRACHLOROETHANE	24.07	83	218389	8.01	ug/L	98
53)	BROMOFORM	23.90	173	164387	10.03	ug/L	96
54)	ISOPROPYLBENZENE	23.72	105	1476446	9.02	ug/L	100
55)	1,2,3-TRICHLOROPROPANE	24.40	110	76526	9.66	ug/L	88
56)	N-PROPYLBENZENE	24.59	91	1850049	8.69	ug/L	98
57)	BROMOBENZENE	24.82	156	399969	9.29	ug/L	97
58)	1,3,5-TRIMETHYLBENZENE	24.89	105	1335473	9.19	ug/L	96
59)	2-CHLOROTOLUENE	25.06	91	1246332	8.52	ug/L	96
60)	4-CHLOROTOLUENE	25.15	91	1206043	9.57	ug/L	99
61)	TERT-BUTYLBENZENE	25.69	119	1182001	8.92	ug/L	93
62)	1,2,4-TRIMETHYLBENZENE	25.78	105	1382821	9.10	ug/L	95
63)	SEC-BUTYLBENZENE	26.15	105	1570781	8.63	ug/L	97
64)	P-ISOPROPYLTOLUENE	26.41	119	1238461	8.71	ug/L	95
65)	1,3-DICHLOROBENZENE	26.76	146	733956	8.94	ug/L	99
66)	1,4-DICHLOROBENZENE	26.99	146	742338	8.74	ug/L	99
67)	N-BUTYLBENZENE	27.29	91	1252119	8.67	ug/L	99
68)	1,2-DICHLOROBENZENE	27.84	146	619044	8.81	ug/L	99
69)	1,2-DIBROMO-3-CHLOROPROPAN	29.61	157	33943	7.93	ug/L	92
70)	1,2,4-TRICHLOROBENZENE	31.91	180	422424	9.52	ug/L	98
71)	HEXACHLOROBUTADIENE	32.21	225	266402	11.61	ug/L	97
72)	NAPHTHALENE	32.76	128	423757	7.78	ug/L	97
73)	1,2,3-TRICHLOROBENZENE	33.46	180	340979	9.82	ug/L	94
74)	NITROBENZENE	29.83	77	154730	156.50	ug/L	93

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02APR05\0405C10B.D Vial: 2
Acq On : 5 Apr 2002 8:25 pm Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 8 9:36 2002 Quant Results File: HP031802.RES

Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Apr 08 09:36:34 2002
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02APR05\0405B4.D Vial: 3
Acq On : 5 Apr 2002 9:08 pm Operator: 201-wb
Sample : lb Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 5 21:47 2002 Quant Results File: HP031802.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri Apr 05 14:04:41 2002
Response via : Initial Calibration
DataAcq Meth : HP031802

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	0.00	114	0	0.00	ug/L	-15.05
24) CHLOROBENZENE-D5	0.00	117	0	0.00	ug/L	-21.71
52) 1,4-DICHLOROBENZENE-D4	0.00	152	0	0.00	ug/L	-26.88
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	0.00	65	0	0.00	ug/L	
Spiked Amount 5.000			Recovery =	0.00%		
3) 4-BROMOFLUOROBENZENE	0.00	174	0	0.00	ug/L	
Spiked Amount 5.000			Recovery =	0.00%		
25) TOLUENE-D8	0.00	98	0	0.00	ug/L	
Spiked Amount 5.000			Recovery =	0.00%		

Target Compounds Qvalue

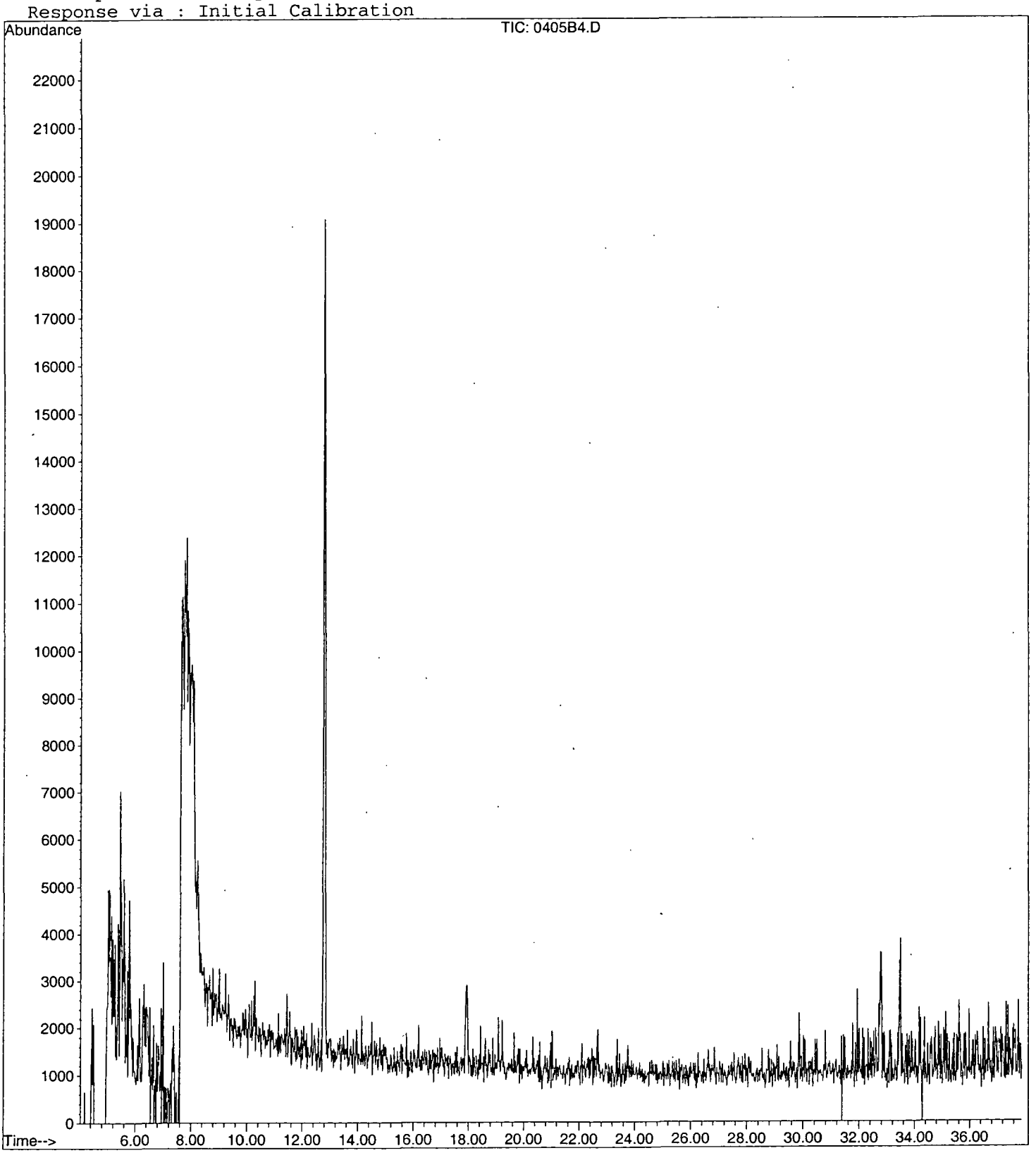
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02APR05\0405B4.D
Acq On : 5 Apr 2002 9:08 pm
Sample : 1b
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 5 21:47 2002

Vial: 3
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP031802.RES

Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Apr 08 09:36:34 2002
Response via : Initial Calibration



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 15:00:09

Sample: AE08016
Analysis: $F_524 Volatile Organic Compounds-Field Blank
Units: ug
Started: 4/6/02 00:02 Ended: 4/6/02 00:02 Analyst: BH
Result source: a:\8016f.rr
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Surr_1,2-DICHLOROETHANE-D		6.0		.5
2	Surr_4-BROMOFLUOROBENZE		4.5		.5
3	Dichlorodifluoromethane		< MDL		.5
4	Chloromethane		< MDL		.5
5	Vinyl chloride		< MDL		.5
6	Bromomethane		< MDL		.5
7	Chloroethane		< MDL		.5
8	Trichlorofluoromethane		< MDL		.5
9	1,1-Dichloroethene		< MDL		.5
10	Methylene Chloride		< MDL		.5
11	Methyl tert-butyl ether (MTBE)		< MDL		1.0
12	trans-1,2-dichloroethene		< MDL		.5
13	1,1-dichloroethane		< MDL		.5
14	2-butanone (MEK)		< MDL		2.0
15	2,2-dichloropropane		< MDL		.5
16	cis-1,2-dichloroethene		< MDL		.5
17	Chloroform		< MDL		.5
18	Bromochloromethane		< MDL		.5
19	1,2-dichloroethane		< MDL		.5
20	Surr_TOLUENE-D8		5.4		.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	Bromodichloromethane		< MDL		.5
29	Methy iso-butyl ketone (MIBK)		< MDL		1.0
30	cis-1,3-dichloropropene		< MDL		.5
31	Toluene		< MDL		.5
32	trans-1,3-dichloropropene		< MDL		.5
33	1,1,2-trichloroethane		< MDL		.5
34	Tetrachloroethene		< MDL		.5
35	1,3-dichloropropane		< MDL		.5
36	Dibromochloromethane		< MDL		2.0
37	Chlorobenzene		< MDL		.5
38	1,1,1,2-tetrachloroethane		< MDL		.5
39	Ethylbenzene		< MDL		.5
40	P & M-xylene		< MDL		.5
41	O-xylene		< MDL		.5
42	Styrene		< MDL		.5
43	1,1,2,2-tetrachloroethane		< MDL		.5
44	Bromoform		< MDL		2.0
45	Isopropylbenzene		< MDL		.5
46	1,2,3-trichloropropane		< MDL		.5
47	N-propylbenzene		< MDL		.5
48	Bromobenzene		< MDL		.5

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 15:00:09

Sample: AE08016
Analysis: $F_524 Volatile Organic Compounds-Field Blank
Units: ug
Started: 4/6/02 00:02 Ended: 4/6/02 00:02 Analyst: BH
Result source: a:\8016f.rr
Page: 2

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

Comments for Sample AE08016 - Analysis $F_524

Westchester Dept. of Labs & Research
User: Vannelli, Sandy
Date: 04-15-2002 Time: 12:34:07

The recovery of 1,1-dichloroethene in the CCV is 65%.
The recovery of MTBE in the CCV is 68%.
The recovery of 2,2-dichloropropane in the CCV is 59%.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02APR05\8016F.D Vial: 11
Acq On : 6 Apr 2002 2:26 am Operator: 201-wb
Sample : nyc fb Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 8 10:47 2002 Quant Results File: HP031802.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Apr 08 09:36:34 2002
Response via : Initial Calibration
DataAcq Meth : HP031802

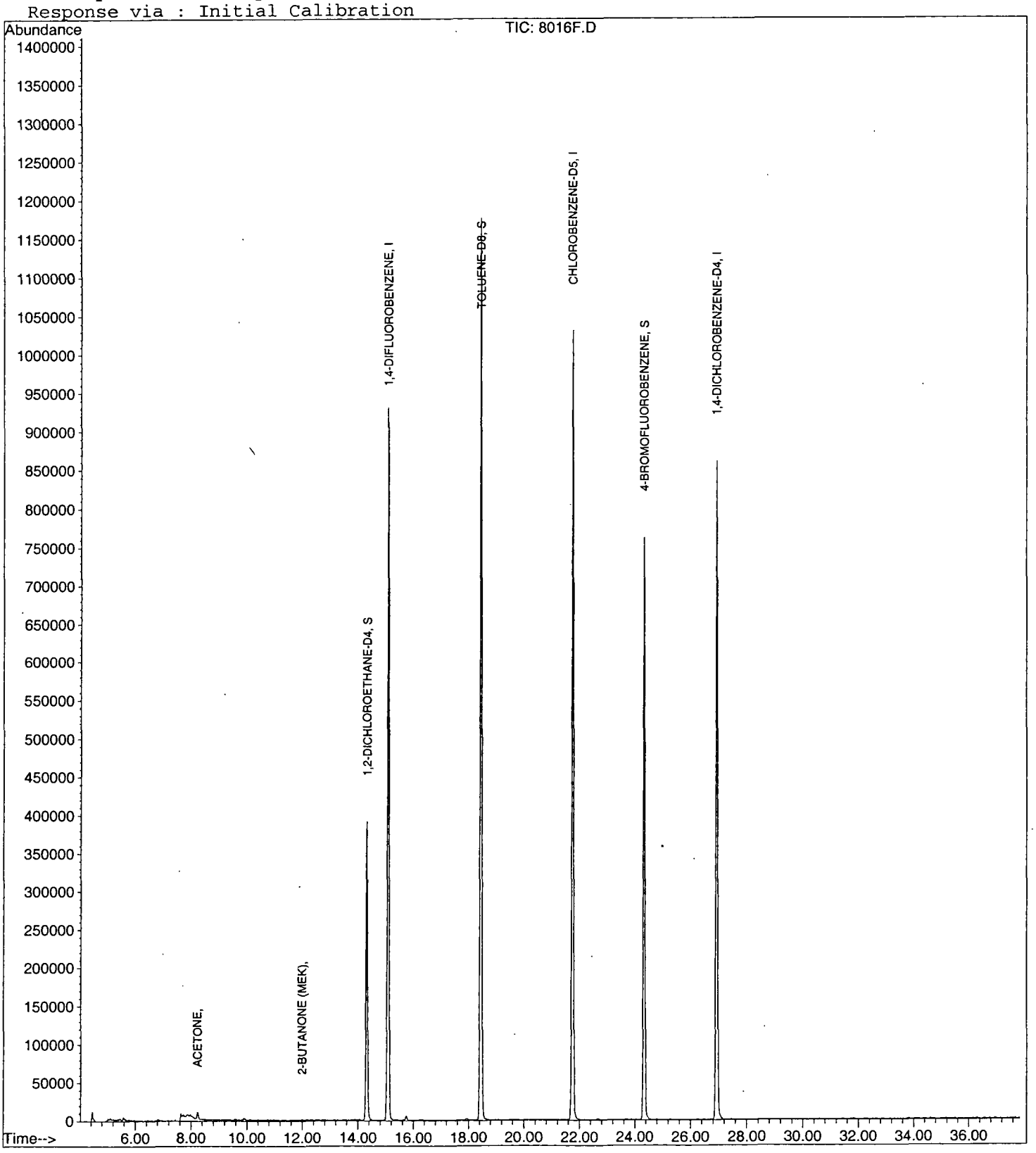
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.09	114	1268529	5.00	ug/L	0.03
24) CHLOROBENZENE-D5	21.74	117	1131634	5.00	ug/L	0.03
52) 1,4-DICHLOROBENZENE-D4	26.92	152	516246	5.00	ug/L	0.03
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.32	65	628322	6.01	ug/L	0.03
Spiked Amount 5.000			Recovery = 120.20%			
3) 4-BROMOFLUOROBENZENE	24.33	174	458949	4.48	ug/L	0.03
Spiked Amount 5.000			Recovery = 89.60%			
25) TOLUENE-D8	18.44	98	1485150	5.42	ug/L	0.03
Spiked Amount 5.000			Recovery = 108.40%			
Target Compounds						Qvalue
12) ACETONE	8.22	43	28830	3.36	ug/L	95
18) 2-BUTANONE (MEK)	11.99	43	3584	0.38	ug/L	54

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02APR05\8016F.D Vial: 11
Acq On : 6 Apr 2002 2:26 am Operator: 201-wb
Sample : nyc fb Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 8 10:47 2002 Quant Results File: HP031802.RES

Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri Apr 05 14:04:41 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02apr05\8016F.D Vial: 11
Acq On : 6 Apr 2002 2:26 am Operator: 201-wb
Sample : nyc fb Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

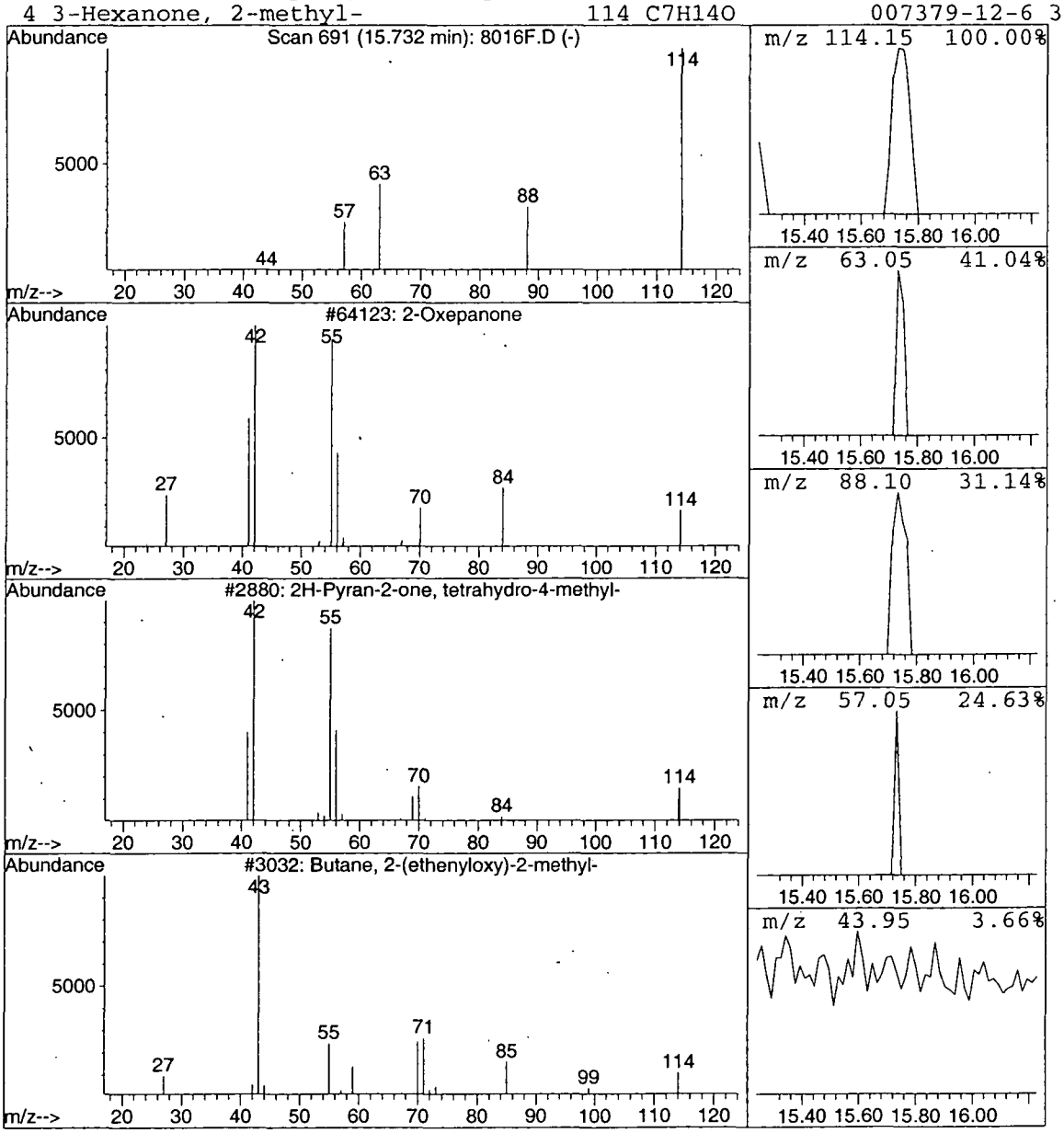
Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2-Oxepanone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	0.03 ug/L	21021	1,4-DIFLUOROBENZENE	15.09

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



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 15:14:32

Sample: AE08251
Analysis: $F_524 Volatile Organic Compounds-Field Blank
Units: ug
Started: 4/6/02 00:03 Ended: 4/6/02 00:03 Analyst: BH
Result source: a:\8251f.rr
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Surr_1,2-DICHLOROETHANE-D		5.8		.5
2	Surr_4-BROMOFLUOROBENZE		4.4		.5
3	Dichlorodifluoromethane		< MDL		.5
4	Chloromethane		< MDL		.5
5	Vinyl chloride		< MDL		.5
6	Bromomethane		< MDL		.5
7	Chloroethane		< MDL		.5
8	Trichlorofluoromethane		< MDL		.5
9	1,1-Dichloroethene		< MDL		.5
10	Methylene Chloride		< MDL		.5
11	Methyl tert-butyl ether (MTBE)		< MDL		1.0
12	trans-1,2-dichloroethene		< MDL		.5
13	1,1-dichloroethane		< MDL		.5
14	2-butanone (MEK)		< MDL		2.0
15	2,2-dichloropropane		< MDL		.5
16	cis-1,2-dichloroethene		< MDL		.5
17	Chloroform		< MDL		.5
18	Bromochloromethane		< MDL		.5
19	1,2-dichloroethane		< MDL		.5
20	Surr_TOLUENE-D8		5.4		.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	Bromodichloromethane		< MDL		.5
29	Methy iso-butyl ketone (MIBK)		< MDL		1.0
30	cis-1,3-dichloropropene		< MDL		.5
31	Toluene		< MDL		.5
32	trans-1,3-dichloropropene		< MDL		.5
33	1,1,2-trichloroethane		< MDL		.5
34	Tetrachloroethene		< MDL		.5
35	1,3-dichloropropane		< MDL		.5
36	Dibromochloromethane		< MDL		2.0
37	Chlorobenzene		< MDL		.5
38	1,1,1,2-tetrachloroethane		< MDL		.5
39	Ethylbenzene		< MDL		.5
40	P & M-xylene		< MDL		.5
41	O-xylene		< MDL		.5
42	Styrene		< MDL		.5
43	1,1,2,2-tetrachloroethane		< MDL		.5
44	Bromoform		< MDL		2.0
45	Isopropylbenzene		< MDL		.5
46	1,2,3-trichloropropane		< MDL		.5
47	N-propylbenzene		< MDL		.5
48	Bromobenzene		< MDL		.5

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 15:14:32

Sample: AE08251
Analysis: $F_524 Volatile Organic Compounds-Field Blank
Units: ug
Started: 4/6/02 00:03 Ended: 4/6/02 00:03 Analyst: BH
Result source: a:\8251f.rr
Page: 2

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

Comments for Sample AE08251 - Analysis $F_524

Westchester Dept. of Labs & Research
User: Vannelli, Sandy
Date: 04-15-2002 Time: 12:34:37

The recovery of 1,1-dichloroethene in the CCV is 65%.
The recovery of MTBE in the CCV is 68%.
The recovery of 2,2-dichloropropane in the CCV is 59%.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02apr05\8251F.D Vial: 12
Acq On : 6 Apr 2002 3:11 am Operator: 201-wb
Sample : nyc fb Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 6 3:50 2002 Quant Results File: HP031802.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri Apr 05 14:04:41 2002
Response via : Initial Calibration
DataAcq Meth : HP031802

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.09	114	1300015	5.00	ug/L	0.04
24) CHLOROBENZENE-D5	21.74	117	1149841	5.00	ug/L	0.04
52) 1,4-DICHLOROBENZENE-D4	26.92	152	539264	5.00	ug/L	0.04
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.32	65	620806	5.80	ug/L	0.04
Spiked Amount 5.000			Recovery =	116.00%		
3) 4-BROMOFLUOROBENZENE	24.33	174	462084	4.40	ug/L	0.04
Spiked Amount 5.000			Recovery =	88.00%		
25) TOLUENE-D8	18.44	98	1503385	5.40	ug/L	0.04
Spiked Amount 5.000			Recovery =	108.00%		
Target Compounds						Qvalue
12) ACETONE	8.22	43	20052	2.28	ug/L	96
18) 2-BUTANONE (MEK)	11.99	43	2320	0.24	ug/L	54

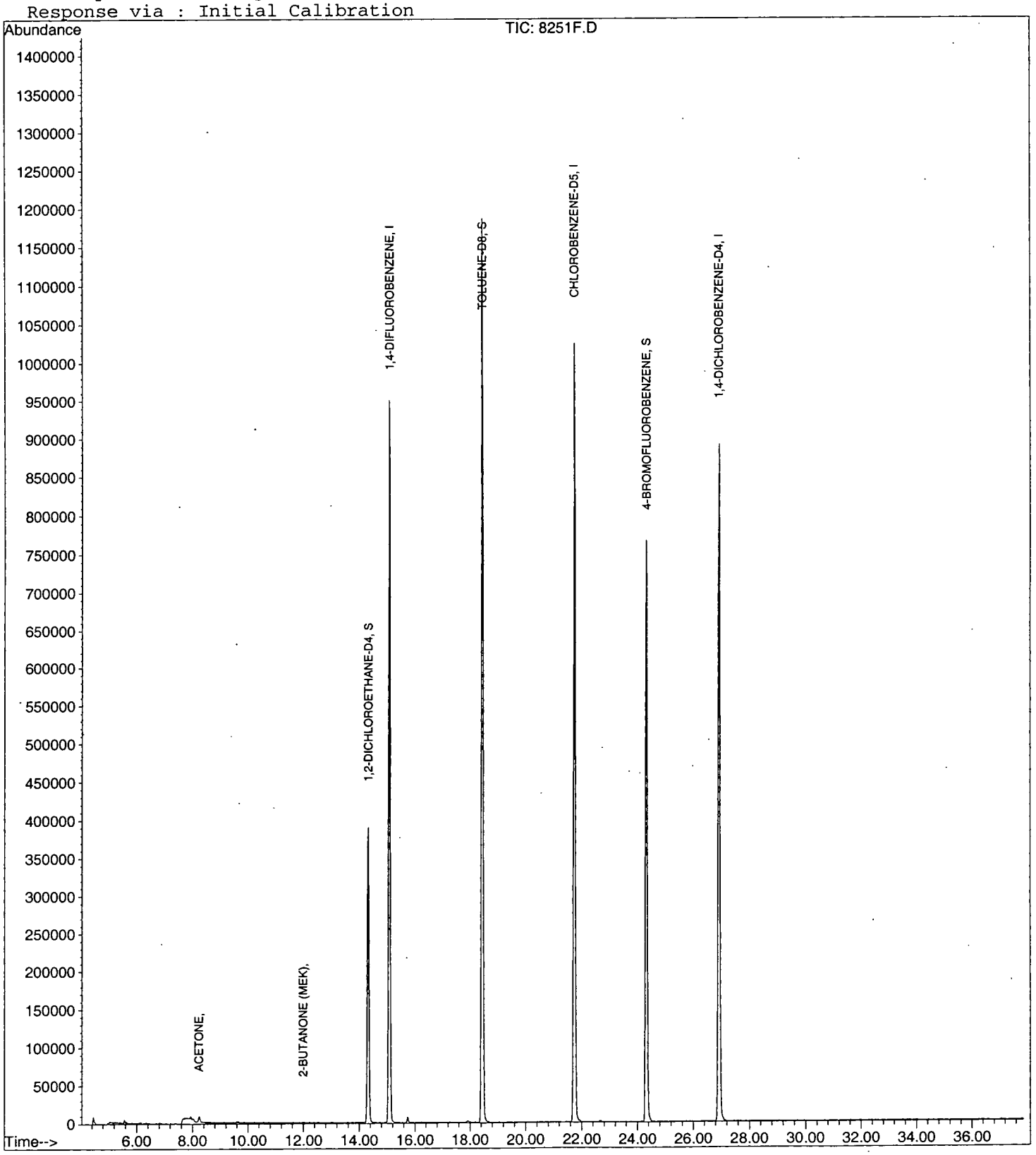
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02apr05\8251F.D
Acq On : 6 Apr 2002 3:11 am
Sample : nyc fb
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 6 3:50 2002

Vial: 12
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP031802.RES

Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri Apr 05 14:04:41 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02apr05\8251F.D Vial: 12
Acq On : 6 Apr 2002 3:11 am Operator: 201-wb
Sample : nyc fb Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P

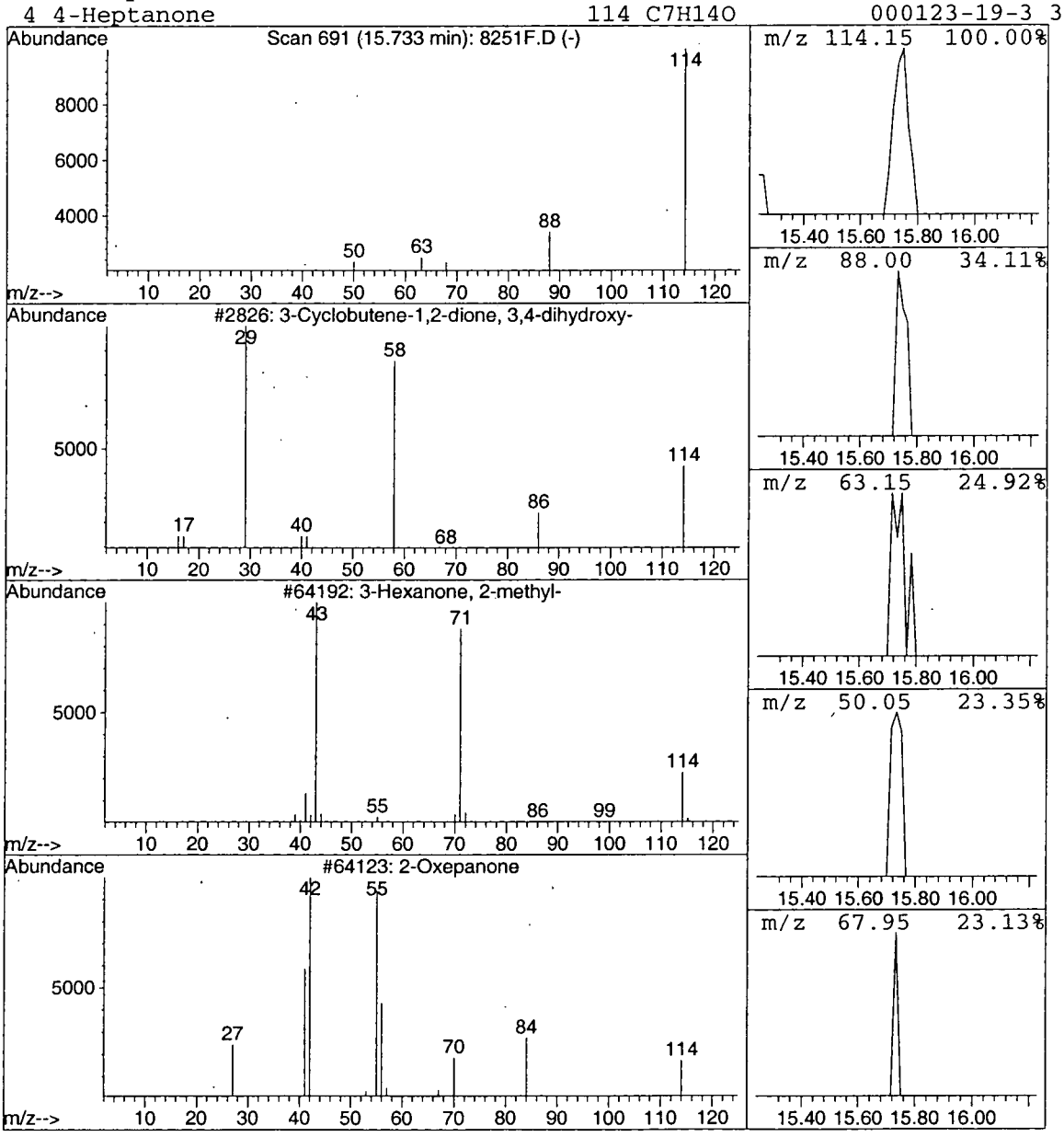
Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	0.04 ug/L	26719	1,4-DIFLUOROBENZENE	15.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Cyclobutene-1,2-dione, 3,4-dihydr	114	C4H2O4	002892-51-5	7
2	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	4
3	2-Oxepanone	114	C6H10O2	000502-44-3	3
4	4-Heptanone	114	C7H14O	000123-19-3	3



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 15:15:56

Sample: AE08255
Analysis: $F_524 Volatile Organic Compounds-Field Blank
Units: ug
Started: 4/6/02 00:03 Ended: 4/6/02 00:03 Analyst: BH
Result source: a:\8255f.rr
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Surr_1,2-DICHLOROETHANE-D		5.9		.5
2	Surr_4-BROMOFLUOROBENZE		4.5		.5
3	Dichlorodifluoromethane		< MDL		.5
4	Chloromethane		< MDL		.5
5	Vinyl chloride		< MDL		.5
6	Bromomethane		< MDL		.5
7	Chloroethane		< MDL		.5
8	Trichlorofluoromethane		< MDL		.5
9	1,1-Dichloroethene		< MDL		.5
10	Methylene Chloride		< MDL		.5
11	Methyl tert-butyl ether (MTBE)		< MDL		1.0
12	trans-1,2-dichloroethene		< MDL		.5
13	1,1-dichloroethane		< MDL		.5
14	2-butanone (MEK)		< MDL		2.0
15	2,2-dichloropropane		< MDL		.5
16	cis-1,2-dichloroethene		< MDL		.5
17	Chloroform		< MDL		.5
18	Bromochloromethane		< MDL		.5
19	1,2-dichloroethane		< MDL		.5
20	Surr_TOLUENE-D8		5.5		.5
21	1,1,1- trichloroethane		< MDL		.5
22	1,1-dichloropropene		< MDL		.5
23	Carbon tetrachloride		< MDL		.5
24	Benzene		< MDL		.5
25	Trichloroethene		< MDL		.5
26	1,2-dichloropropane		< MDL		.5
27	Dibromomethane		< MDL		.5
28	Bromodichloromethane		< MDL		.5
29	Methy iso-butyl ketone (MIBK)		< MDL		1.0
30	cis-1,3-dichloropropene		< MDL		.5
31	Toluene		< MDL		.5
32	trans-1,3-dichloropropene		< MDL		.5
33	1,1,2-trichloroethane		< MDL		.5
34	Tetrachloroethene		< MDL		.5
35	1,3-dichloropropane		< MDL		.5
36	Dibromochloromethane		< MDL		2.0
37	Chlorobenzene		< MDL		.5
38	1,1,1,2-tetrachloroethane		< MDL		.5
39	Ethylbenzene		< MDL		.5
40	P & M-xylene		< MDL		.5
41	O-xylene		< MDL		.5
42	Styrene		< MDL		.5
43	1,1,2,2-tetrachloroethane		< MDL		.5
44	Bromoform		< MDL		2.0
45	Isopropylbenzene		< MDL		.5
46	1,2,3-trichloropropane		< MDL		.5
47	N-propylbenzene		< MDL		.5
48	Bromobenzene		< MDL		.5

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 15:15:56

Sample: AE08255
Analysis: $F_524 Volatile Organic Compounds-Field Blank
Units: ug
Started: 4/6/02 00:03 Ended: 4/6/02 00:03 Analyst: BH
Result source: a:\8255f.rr
Page: 2

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

Comments for Sample AE08255 - Analysis $F_524

Westchester Dept. of Labs & Research
User: Vannelli, Sandy
Date: 04-15-2002 Time: 12:34:43

The recovery of 1,1-dichloroethene in the CCV is 65%.
The recovery of MTBE in the CCV is 68%.
The recovery of 2,2-dichloropropane in the CCV is 59%.

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02apr05\8255F.D Vial: 13
Acq On : 6 Apr 2002 3:55 am Operator: 201-wb
Sample : nyc fb Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 6 4:35 2002 Quant Results File: HP031802.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri Apr 05 14:04:41 2002
Response via : Initial Calibration
DataAcq Meth : HP031802

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.08	114	1282732	5.00	ug/L	0.03
24) CHLOROBENZENE-D5	21.74	117	1133882	5.00	ug/L	0.03
52) 1,4-DICHLOROBENZENE-D4	26.92	152	524443	5.00	ug/L	0.03
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.32	65	621015	5.88	ug/L	0.03
Spiked Amount 5.000			Recovery = 117.60%			
3) 4-BROMOFLUOROBENZENE	24.33	174	462242	4.46	ug/L	0.03
Spiked Amount 5.000			Recovery = 89.20%			
25) TOLUENE-D8	18.44	98	1499762	5.46	ug/L	0.03
Spiked Amount 5.000			Recovery = 109.20%			
Target Compounds						Qvalue
12) ACETONE	8.22	43	9464	1.09	ug/L	53

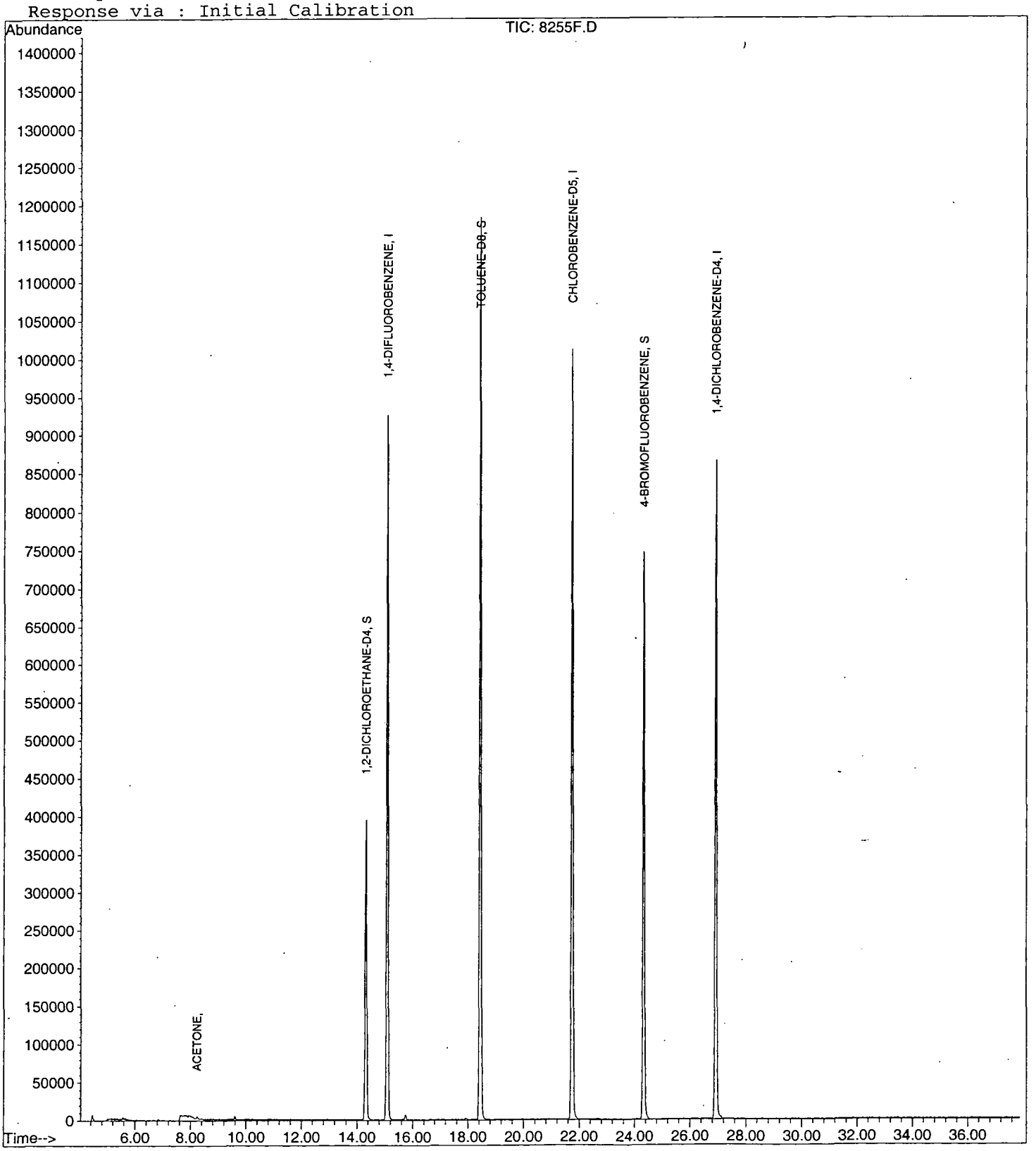
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02apr05\8255F.D
Acq On : 6 Apr 2002 3:55 am
Sample : nyc fb
Misc :
MS Integration Params: RTEINT.P
Quant Time: Apr 6 4:35 2002

Vial: 13
Operator: 201-wb
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: HP031802.RES

Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri Apr 05 14:04:41 2002
Response via : Initial Calibration



Library Search Compound Report

Data File : C:\HPCHEM\1\DATA\02apr05\8255F.D
Acq On : 6 Apr 2002 3:55 am
Sample : nyc fb
Misc :
MS Integration Params: LSCINT.P

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

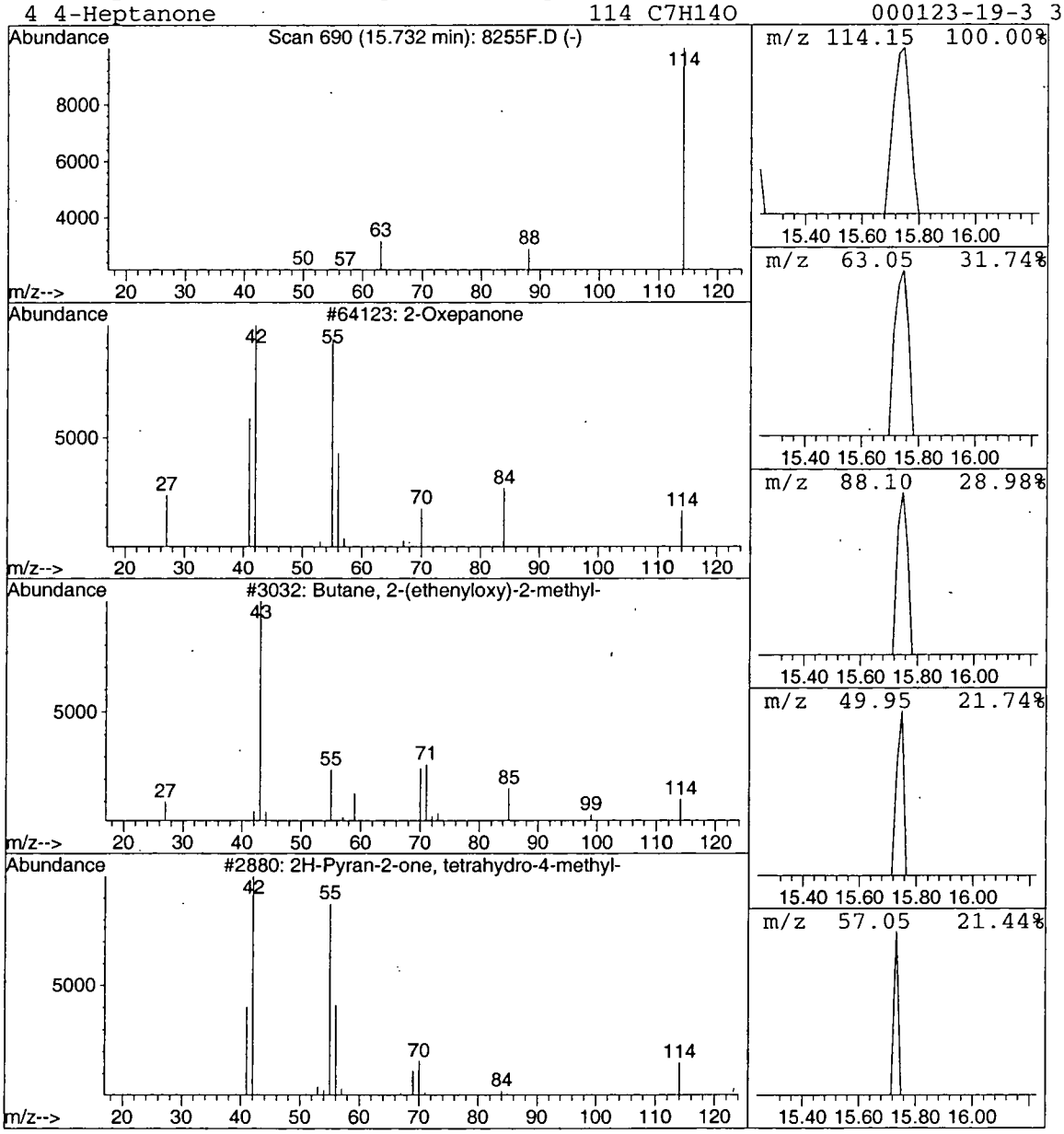
Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Library : C:\DATABASE\NBS75K.L

****

Peak Number 1 2-Oxepanone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	0.03 ug/L	23931	1,4-DIFLUOROBENZENE	15.08

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



User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 14:59:54

Sample: AE08016
Analysis: $C3524 Volatile Organic Compounds-Cal 1
Units: ug
Started: 4/6/02 00:04 Ended: 4/6/02 00:04 Analyst: BH
Result source: a:\0405c10c.rr
Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Surr_1,2-DICHLOROETHANE-D		6.2		.5
2	Surr_4-BROMOFLUOROBENZE		5.0		.5
3	Dichlorodifluoromethane		7.4		.5
4	Chloromethane		7.5		.5
5	Vinyl chloride		12		.5
6	Bromomethane		8.4		.5
7	Chloroethane		8.9		.5
8	Trichlorofluoromethane		8.2		.5
9	1,1-Dichloroethene	LSPEC	6.5		.5
10	Methylene Chloride		7.5		.5
11	Methyl tert-butyl ether	LSPEC	6.8		1.0
12	trans-1,2-dichloroethene		7.4		.5
13	1,1-dichloroethane		7.6		.5
14	2-butanone (MEK)		29		2.0
15	2,2-dichloropropane	LSPEC	5.9		.5
16	cis-1,2-dichloroethene		7.8		.5
17	Chloroform		8.5		.5
18	Bromochloromethane		7.8		.5
19	1,2-dichloroethane		8.8		.5
20	Surr_TOLUENE-D8		5.2		.5
21	1,1,1- trichloroethane		9.1		.5
22	1,1-dichloropropene		8.4		.5
23	Carbon tetrachloride		9.2		.5
24	Benzene		8.2		.5
25	Trichloroethene		8.7		.5
26	1,2-dichloropropane		8.4		.5
27	Dibromomethane		9.2		.5
28	Bromodichloromethane		9.2		.5
29	Methyl iso-butyl ketone		34		1.0
30	cis-1,3-dichloropropene		8.0		.5
31	Toluene		8.5		.5
32	trans-1,3-dichloropropene		8.1		.5
33	1,1,2-trichloroethane		8.4		.5
34	Tetrachloroethene		8.7		.5
35	1,3-dichloropropane		8.5		.5
36	Dibromochloromethane		9.0		2.0
37	Chlorobenzene		8.3		.5
38	1,1,1,2-tetrachloroethane		8.9		.5
39	Ethylbenzene		9.0		.5
40	P & M-xylene		17		.5
41	O-xylene		8.9		.5
42	Styrene		8.5		.5
43	1,1,2,2-tetrachloroethane		8.0		.5
44	Bromoform		10		2.0
45	Isopropylbenzene		9.2		.5
46	1,2,3-trichloropropane		9.8		.5
47	N-propylbenzene		8.8		.5
48	Bromobenzene		9.4		.5

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 04/08/2002 Time: 14:59:54

Sample: AE08016
Analysis: $C3524 Volatile Organic Compounds-Cal 1
Units: ug
Started: 4/6/02 00:04 Ended: 4/6/02 00:04 Analyst: BH
Result source: a:\0405c10c.rr
Page: 2

	Component Name	Viol	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		9.2		.5
50	2-chlorotoluene		9.7		.5
51	4-chlorotoluene		8.6		.5
52	TERT-butylbenzene		9.0		.5
53	1,2,4-trimethylbenzene		9.2		.5
54	SEC-butylbenzene		8.7		.5
55	P-isopropyltoluene		8.7		.5
56	1,3-dichlorobenzene		8.9		.5
57	1,4-dichlorobenzene		8.7		.5
58	N-butylbenzene		8.7		.5
59	1,2-dichlorobenzene		8.9		.5
60	1,2,4-trichlorobenzene		9.4		.5
61	Hexachlobutadiene		12		.5
62	Naphthalene		7.5		.5
63	1,2,3-trichlorobenzene		9.8		.5
64	Nitrobenzene		150		5.0

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02APR05\0405C10C.D Vial: 2
Acq On : 6 Apr 2002 4:40 am Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 8 11:33 2002 Quant Results File: HP031802.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Apr 08 11:33:09 2002
Response via : Initial Calibration
DataAcq Meth : HP031802

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	15.07	114	1285088	5.00	ug/L	0.02
24) CHLOROBENZENE-D5	21.74	117	1196426	5.00	ug/L	0.04
52) 1,4-DICHLOROBENZENE-D4	26.92	152	608805	5.00	ug/L	0.04
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	14.32	65	651279	6.15	ug/L	0.04
Spiked Amount 5.000			Recovery =	123.00%		
3) 4-BROMOFLUOROBENZENE	24.33	174	521390	5.02	ug/L	0.04
Spiked Amount 5.000			Recovery =	100.40%		
25) TOLUENE-D8	18.44	98	1518720	5.24	ug/L	0.04
Spiked Amount 5.000			Recovery =	104.80%		
Target Compounds						Qvalue
4) DICHLORODIFLUOROMETHANE	4.84	85	282751	7.41	ug/L	97
5) CHLOROMETHANE	5.44	50	380761	7.51	ug/L	95
6) VINYL CHLORIDE	5.57	62	326522	11.99	ug/L	99
7) BROMOMETHANE	6.56	94	255347	8.37	ug/L	99
8) CHLOROETHANE	6.70	64	280767	8.91	ug/L	98
9) TRICHLOROFLUOROMETHANE	7.25	101	526658	8.22	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	8.14	101	6026	0.21	ug/L	95
12) ACETONE	8.22	43	226286	26.03	ug/L	100
13) 1,1-DICHLOROETHENE	8.58	61	493274	6.47	ug/L	97
14) METHYLENE CHLORIDE	9.59	49	514528	7.54	ug/L	96
15) METHYL TERT BUTYL ETHER	9.89	73	469028	6.80	ug/L	99
16) TRANS-1,2-DICHLOROETHENE	10.25	61	569275	7.38	ug/L	95
17) 1,1-DICHLOROETHANE	11.14	63	672662	7.61	ug/L	98
18) 2-BUTANONE (MEK)	11.97	43	274357	29.03	ug/L	95
19) 2,2-DICHLOROPROPANE	12.36	77	412911	5.94	ug/L	94
20) CIS-1,2-DICHLOROETHENE	12.45	96	403576	7.77	ug/L	95
21) CHLOROFORM	12.79	83	815139	8.53	ug/L	97
22) BROMOCHLOROMETHANE	13.16	49	308969	7.79	ug/L	89
23) 1,2-DICHLOROETHANE	14.51	62	584310	8.85	ug/L	98
26) 1,1,1-TRICHLOROETHANE	13.67	97	616447	9.12	ug/L	99
27) 1,1-DICHLOROPROPENE	14.01	75	521693	8.40	ug/L	97
28) CARBON TETRACHLORIDE	14.27	117	534848	9.19	ug/L	99
29) BENZENE	14.61	78	1276136	8.24	ug/L	99
30) TRICHLOROETHENE	15.89	95	419667	8.68	ug/L	99
31) 1,2-DICHLOROPROPANE	16.24	63	339032	8.39	ug/L	98
32) DIBROMOMETHANE	16.91	174	211347	9.23	ug/L	97
33) BROMODICHLOROMETHANE	16.75	83	561561	9.18	ug/L	99
34) 2-CHLOROETHYL VINYL ETHER	17.23	63	122926	7.62	ug/L	92
35) METHYL ISO-BUTYL KETONE	17.32	58	236681	34.30	ug/L	93
36) CIS-1,3-DICHLOROPROPENE	17.84	75	468515	8.00	ug/L	97
37) TOLUENE	18.61	91	1402182	8.46	ug/L	100
38) TRANS-1,3-DICHLOROPROPENE	18.88	75	349201	8.08	ug/L	98
39) 1,1,2-TRICHLOROETHANE	19.27	97	229131	8.37	ug/L	95
40) TETRACHLOROETHENE	20.06	166	429047	8.74	ug/L	97
41) 1,3-DICHLOROPROPANE	19.80	76	427240	8.47	ug/L	95
42) DIBROMOCHLOROMETHANE	20.50	129	317855	8.99	ug/L	99
43) 1,2-DIBROMOETHANE	20.94	107	232050	8.31	ug/L	100
44) CHLOROBENZENE	21.83	112	926779	8.30	ug/L	92
45) 1,1,1,2-TETRACHLOROETHANE	21.86	131	352538	8.94	ug/L	97
46) 2-HEXANONE	19.15	43	441984	34.60	ug/L	92
47) ETHYLBENZENE	21.86	91	1728727	8.97	ug/L	98

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\02APR05\0405C10C.D Vial: 2
Acq On : 6 Apr 2002 4:40 am Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 8 11:33 2002 Quant Results File: HP031802.RES

Quant Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Mon Apr 08 11:33:09 2002
Response via : Initial Calibration
DataAcq Meth : HP031802

	Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
48)	P & M-XYLENE	22.01	106	1119362	17.03	ug/L	93
49)	O-XYLENE	23.00	91	1351423	8.92	ug/L	97
50)	STYRENE	23.05	104	854625	8.51	ug/L	96
51)	1,1,2,2-TETRACHLOROETHANE	24.07	83	220867	7.97	ug/L	96
53)	BROMOFORM	23.90	173	162513	9.99	ug/L	96
54)	ISOPROPYLBENZENE	23.72	105	1489420	9.16	ug/L	98
55)	1,2,3-TRICHLOROPROPANE	24.40	110	77326	9.83	ug/L	78
56)	N-PROPYLBENZENE	24.59	91	1856565	8.79	ug/L	96
57)	BROMOBENZENE	24.84	156	401899	9.40	ug/L	99
58)	1,3,5-TRIMETHYLBENZENE	24.91	105	1333054	9.24	ug/L	97
59)	2-CHLOROTOLUENE	25.06	91	1408351	9.69	ug/L	94
60)	4-CHLOROTOLUENE	25.15	91	1074399	8.59	ug/L	97
61)	TERT-BUTYLBENZENE	25.69	119	1189590	9.04	ug/L	90
62)	1,2,4-TRIMETHYLBENZENE	25.79	105	1382380	9.16	ug/L	96
63)	SEC-BUTYLBENZENE	26.15	105	1576890	8.73	ug/L	95
64)	P-ISOPROPYLTOLUENE	26.42	119	1227173	8.70	ug/L	97
65)	1,3-DICHLOROBENZENE	26.78	146	725300	8.89	ug/L	99
66)	1,4-DICHLOROBENZENE	26.99	146	736067	8.73	ug/L	98
67)	N-BUTYLBENZENE	27.31	91	1252070	8.73	ug/L	97
68)	1,2-DICHLOROBENZENE	27.84	146	619989	8.89	ug/L	96
69)	1,2-DIBROMO-3-CHLOROPROPAN	29.62	157	31929	7.50	ug/L	97
70)	1,2,4-TRICHLOROBENZENE	31.92	180	416324	9.45	ug/L	98
71)	HEXACHLOROBUTADIENE	32.23	225	266380	11.69	ug/L	97
72)	NAPHTHALENE	32.76	128	403520	7.46	ug/L	98
73)	1,2,3-TRICHLOROBENZENE	33.47	180	336615	9.77	ug/L	96
74)	NITROBENZENE	29.85	77	145914	148.66	ug/L	87

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

Quantitation Report

Data File : C:\HPCHEM\1\DATA\02APR05\0405C10C.D Vial: 2
Acq On : 6 Apr 2002 4:40 am Operator: 201-wb
Sample : cal 10 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Apr 8 11:33 2002 Quant Results File: HP031802.RES

Method : C:\HPCHEM\1\METHODS\HP031802.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Fri Apr 05 14:04:41 2002
Response via : Initial Calibration