

User: Huhn, William
 Westchester Dept. of Labs & Research
 Date: 11/05/2001 Time: 14:18:25

Sample: AD26386
 Analysis: \$Q_524 Volatile Organic Compounds-Reference Rec
 Units: ug
 Started: 11/5/01 12:02 Ended: 11/5/01 12:02 Analyst: BH
 Result source: calculation
 Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Surr - 1,2-DICHLOROETHANE-		4.5		.5
2	Surr - 4-BROMOFLUOROBENZ		5.7		.5
3	Dichlorodifluoromethane		110		.5
4	Chloromethane		80		.5
5	Vinyl chloride		72.5		.5
6	Bromomethane		95		.5
7	Chloroethane		87.5		.5
8	Trichlorofluoromethane		107.5		.5
9	1,1-Dichloroethene		87.5		.5
10	Methylene Chloride		85		.5
11	Methyl tert butyl ether		70		1.0
12	trans-1,2-dichloroethene		95		.5
13	1,1-dichloroethane		95		.5
14	2-butanone (MEK)		65		2.0
15	2,2-dichloropropane		100		.5
16	cis-1,2-dichloroethene		100		.5
17	Chloroform		97.5		.5
18	Bromochloromethane		87.5		.5
19	1,2-dichloroethane		85		.5
20	Surr - TOLUENE-D8		4.9		.5
21	1,1,1-trichloroethane		100		.5
22	1,1-dichloropropene		95		.5
23	Carbon tetrachloride		105		.5
24	Benzene		90		.5
25	Trichloroethene		97.5		.5
26	1,2-dichloropropane		87.5		.5
27	Dibromomethane		107.5		.5
28	Bromodichloromethane		95		.5
29	Methyl iso-butyl ketone		90		1.0
30	cis-1,3-dichloropropene		95		.5
31	Toluene		100		.5
32	trans-1,3-dichloropropene		90		.5
33	1,1,2-trichloroethane		90		.5
34	Tetrachloroethene		117.5		.5
35	1,3-dichloropropane		90		.5
36	Dibromochloromethane		102.5		2.0
37	Chlorobenzene		102.5		.5
38	1,1,1,2-tetrachloroethane		107.5		.5
39	Ethylbenzene		100		.5
40	P & M-xylene		102.5		.5
41	O-xylene		100		.5
42	Styrene		102.5		.5
43	1,1,2,2-tetrachloroethane		90		.5
44	Bromoform		125		2.0
45	Isopropylbenzene		102.5		.5
46	1,2,3-trichloropropane		90		.5
47	N-propylbenzene		102.5		.5
48	Bromobenzene		105		.5

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Page: 2

	Component Name	Viol	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		102.5		.5
50	2-chlorotoluene		107.5		.5
51	4-chlorotoluene		90		.5
52	TERT-butylbenzene		107.5		.5
53	1,2,4-trimethylbenzene		102.5		.5
54	SEC-butylbenzene		100		.5
55	P-isopropyltoluene		100		.5
56	1,3-dichlorobenzene		105		.5
57	1,4-dichlorobenzene		102.5		.5
58	N-butylbenzene		97.5		.5
59	1,2-dichlorobenzene		100		.5
60	1,2,4-trichlorobenzene		107.5		.5
61	Hexachlorobutadiene		112.5		.5
62	Naphthalene		92.5		.5
63	1,2,3-trichlorobenzene		102.5		.5

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\01NOV2\1102R40.D
 Acq On : 2 Nov 2001 5:12 pm
 Sample : ref 40
 Misc :
 MS Integration Params: LSCINT.P
 Quant Time: Nov 5 11:56 2001

Vial: 6
 Operator:
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Results File: HP110101.RES

Quant Method : C:\HPCHEM\1\METHODS\HP110101.M (RTE Integrator)
 Title : VOCs BY EPA METHOD 524
 Last Update : Fri Nov 02 15:17:46 2001
 Response via : Initial Calibration
 DataAcq Meth : HP110101

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	14.47	114	938305	5.00	ug/L	0.03
22) CHLOROBENZENE-D5	21.07	117	840563	5.00	ug/L	0.03
50) 1,4-DICHLOROBENZENE-D4	26.23	152	367562	5.00	ug/L	0.03

System Monitoring Compounds

2) 1,2-DICHLOROETHANE-D4	13.69	65	249855	4.51	ug/L	0.03
Spiked Amount	5.000		Recovery	=	90.20%	
3) 4-BROMOFLUOROBENZENE	23.64	174	277851	5.70	ug/L	0.03
Spiked Amount	5.000		Recovery	=	114.00%	
23) TOLUENE-D8	17.80	98	1236593	4.87	ug/L	0.05
Spiked Amount	5.000		Recovery	=	97.40%	

Target Compounds

						Qvalue
4) DICHLORODIFLUOROMETHANE	4.50	85	1106839	44.15	ug/L	99
5) CHLOROMETHANE	5.03	50	766534	31.73	ug/L	100
6) VINYL CHLORIDE	5.15	62	530623	29.03	ug/L	100
7) BROMOMETHANE	6.10	94	870957	38.07	ug/L	99
8) CHLOROETHANE	6.22	64	574774	34.97	ug/L	99
9) TRICHLOROFLUOROMETHANE	6.76	101	1712673	42.59	ug/L	99
10) ACETONE	7.69	43	159653	31.40	ug/L	98
11) 1,1-DICHLOROETHENE	8.05	61	1699413	35.16	ug/L	97
12) METHYLENE CHLORIDE	9.02	49	1790683	33.94	ug/L	96
13) METHYL TERT BUTYL ETHER	9.31	73	2492387m	27.85	ug/L	
14) TRANS-1,2-DICHLOROETHENE	9.67	61	2040937	37.65	ug/L	95
15) 1,1-DICHLOROETHANE	10.55	63	2661690	37.51	ug/L	99
16) 2-BUTANONE (MEK)	11.37	43	270744	26.28	ug/L	99
17) 2,2-DICHLOROPROPANE	11.75	77	2132873	39.99	ug/L	99
18) CIS-1,2-DICHLOROETHENE	11.85	96	1542153	40.37	ug/L	97
19) CHLOROFORM	12.17	83	2458601	38.80	ug/L	99
20) BROMOCHLOROMETHANE	12.55	49	1104910	34.85	ug/L	91
21) 1,2-DICHLOROETHANE	13.88	62	1313535	33.95	ug/L	99
24) 1,1,1-TRICHLOROETHANE	13.06	97	2024301	40.48	ug/L	99
25) 1,1-DICHLOROPROPENE	13.38	75	2070192	37.87	ug/L	99
26) CARBON TETRACHLORIDE	13.64	117	1618660	42.09	ug/L	100
27) BENZENE	14.00	78	6224514	36.39	ug/L	100
28) TRICHLOROETHENE	15.24	95	1558928	38.82	ug/L	96
29) 1,2-DICHLOROPROPANE	15.60	63	1599878	35.39	ug/L	99
30) DIBROMOMETHANE	16.26	174	471538	43.21	ug/L	91
31) BROMODICHLOROMETHANE	16.11	83	1723173	38.08	ug/L	100
32) 2-CHLOROETHYL VINYL ETHER	16.60	63	489698	38.21	ug/L	98
33) Methyl iso-butyl ketone	16.67	58	247181	35.87	ug/L	91

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

1102R40.D HP102901.M Tue Nov 13 11:46:29 2001

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Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\01NOV2\1102R40.D

Vial: 6

Acq On : 2 Nov 2001 5:12 pm

Operator:

Sample : ref 40

Inst : GC/MS Ins

Misc :

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Nov 5 11:56 2001

Quant Results File: HP110101.RES

Quant Method : C:\HPCHEM\1\METHODS\HP110101.M (RTE Integrator)

Title : VOCs BY EPA METHOD 524

Last Update : Fri Nov 02 15:17:46 2001

Response via : Initial Calibration

DataAcq Meth : HP110101

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
34) CIS-1,3-DICHLOROPROPENE	17.20	75	2239281	37.86	ug/L	98
35) TOLUENE	17.97	91	6965852	39.53	ug/L	100
36) TRANS-1,3-DICHLOROPROPENE	18.24	75	1581959	36.15	ug/L	100
37) 1,1,2-TRICHLOROETHANE	18.61	97	788808	35.74	ug/L	99
38) TETRACHLOROETHENE	19.40	166	1383933	46.94	ug/L	98
39) 1,3-DICHLOROPROPANE	19.14	76	1613280	35.73	ug/L	99
40) DIBROMOCHLOROMETHANE	19.82	129	869375	40.94	ug/L	99
41) 1,2-DIBROMOETHANE	20.27	107	714614	37.51	ug/L	100
42) CHLOROBENZENE	21.15	112	4311778	40.61	ug/L	96
43) 1,1,1,2-TETRACHLOROETHANE	21.19	131	1281839	43.09	ug/L	98
44) 2-HEXANONE	18.51	43	446877	35.84	ug/L	100
45) ETHYLBENZENE	21.20	91	8296635	39.65	ug/L	98
46) P & M-XYLENE	21.36	106	6004176	81.94	ug/L	95
47) O-XYLENE	22.33	91	6465435	39.84	ug/L	98
48) STYRENE	22.38	104	4782102	41.24	ug/L	98
49) 1,1,2,2-TETRACHLOROETHANE	23.40	83	812208	35.71	ug/L	100
51) BROMOFORM	23.21	173	371274	50.16	ug/L	97
52) ISOPROPYLBENZENE	23.04	105	7682953	40.89	ug/L	98
53) 1,2,3-TRICHLOROPROPANE	23.72	110	212540	35.96	ug/L	95
54) N-PROPYLBENZENE	23.91	91	10485703	41.11	ug/L	97
55) BROMOBENZENE	24.13	156	1389121	42.10	ug/L	91
56) 1,3,5-TRIMETHYLBENZENE	24.24	105	6498710	40.51	ug/L	98
57) 2-CHLOROTOLUENE	24.37	91	6477806	42.51	ug/L	100
58) 4-CHLOROTOLUENE	24.46	91	5339824	35.72	ug/L	98
59) TERT-BUTYLBENZENE	25.02	134	1379450	42.72	ug/L	93
60) 1,2,4-TRIMETHYLBENZENE	25.10	105	6840792	40.75	ug/L	98
61) SEC-BUTYLBENZENE	25.46	105	8947252	40.29	ug/L	100
62) P-ISOPROPYLTOLUENE	25.73	119	6908153	39.95	ug/L	98
63) 1,3-DICHLOROBENZENE	26.08	146	3051540	41.89	ug/L	98
64) 1,4-DICHLOROBENZENE	26.30	146	2979301	41.47	ug/L	98
65) N-BUTYLBENZENE	26.62	91	7511732	38.88	ug/L	99
66) 1,2-DICHLOROBENZENE	27.13	146	2401174	40.16	ug/L	99
67) 1,2-DIBROMO-3-CHLOROPROPAN	28.78	157	96410	37.54	ug/L	99
69) 1,2,4-TRICHLOROBENZENE	30.71	180	1361341	42.98	ug/L	99
70) HEXACHLOROBUTADIENE	30.96	225	666574	44.72	ug/L	97
71) NAPHTHALENE	31.39	128	1753361	36.53	ug/L	100
72) 1,2,3-TRICHLOROBENZENE	31.95	180	947662	40.87	ug/L	99

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

1102R40.D HP102901.M

Tue Nov 13 11:46:32 2001

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Quantitation Report

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Data File   : C:\HPCHEM\1\DATA\01NOV2\1102R40.D
Acq On      : 2 Nov 2001    5:12 pm
Sample      : ref 40
Misc        :
MS Integration Params: LSCINT.P
Quant Time  : Nov 5 11:56 2001

```

Vial: 6
Operator:
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: HP110101.RES

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Method       : C:\HPCHEM\1\METHODS\HP102901.M (RTE Integrator)
Title        : VOCs BY EPA METHOD 524
Last Update   : Tue Oct 30 15:08:10 2001
Response via  : Initial Calibration
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