

User: Huhn, William
 Westchester Dept. of Labs & Research
 Date: 11/07/2001 Time: 10:35:42

Sample: AD26827
 Analysis: \$Q_524 Volatile Organic Compounds-Reference Rec
 Units: ug
 Started: 11/7/01 10:34 Ended: 11/7/01 10:34 Analyst: BH
 Result source: calculation
 Page: 1

	Component Name	Viol	Result	Qualifier	MDE
1	Surr - 1,2-DICHLOROETHANE-		5.6		.5
2	Surr - 4-BROMOFLUOROBENZ		6.3		.5
3	1,1,1-trichloroethane	120	120		.5
4	1,1,2-trichloroethane	117.5	117.5		.5
5	Vinyl chloride		140		.5
6	Bromomethane		132.5		.5
7	Chloroethane		147.5		.5
8	1,1,2-trichloroethane	117.5	117.5		.5
9	1,1-Dichloroethene		137.5		.5
10	Methylene Chloride		115		.5
11	Methyl tert butyl ether		70		1.0
12	trans-1,2-dichloroethene		127.5		.5
13	1,1-dichloroethane		117.5		.5
14	2-butanone (MEK)		85		2.0
15	2,2-dichloropropane		127.5		.5
16	cis-1,2-dichloroethene		112.5		.5
17	Chloroform		115		.5
18	Bromochloromethane		112.5		.5
19	1,2-dichloroethane		115		.5
20	Surr - TOLUENE-D8		4.8		.5
21	1,1,1-trichloroethane		120		.5
22	1,1-dichloropropene		110		.5
23	Carbon tetrachloride		130		.5
24	Benzene		100		.5
25	Trichloroethene		105		.5
26	1,2-dichloropropane		100		.5
27	Dibromomethane		110		.5
28	Bromodichloromethane		107.5		.5
29	Methyl iso-butyl ketone		105		1.0
30	cis-1,3-dichloropropene		105		.5
31	Toluene		102.5		.5
32	trans-1,3-dichloropropene		102.5		.5
33	1,1,2-trichloroethane		97.5		.5
34	Tetrachloroethene		125		.5
35	1,3-dichloropropane		100		.5
36	Dibromochloromethane		115		2.0
37	Chlorobenzene		107.5		.5
38	1,1,1,2-tetrachloroethane		117.5		.5
39	Ethylbenzene		107.5		.5
40	P & M-xylene		111.25		.5
41	O-xylene		110		.5
42	Styrene		112.5		.5
43	1,1,1,2-tetrachloroethane		110		.5
44	Bromoform		130		2.0
45	Isopropylbenzene		100		.5
46	1,2,3-trichloropropane		92.5		.5
47	N-propylbenzene		102.5		.5
48	Bromobenzene		102.5		.5

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Page: 2

	Component Name	Viol	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		100		.5
50	2-chlorotoluene		107.5		.5
51	4-chlorotoluene		90		.5
52	TERT-butylbenzene		105		.5
53	1,2,4-trimethylbenzene		97.5		.5
54	SEC-butylbenzene		102.5		.5
55	P-isopropyltoluene		100		.5
56	1,3-dichlorobenzene		105		.5
57	1,4-dichlorobenzene		105		.5
58	N-butylbenzene		97.5		.5
59	1,2-dichlorobenzene		105		.5
60	1,2,4-trichlorobenzene		112.5		.5
61	1,2,3-trichlorobenzene		110		.5
62	Naphthalene		85		.5
63	1,2,3-trichlorobenzene		110		.5

Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01NOV6\1106R40.D
 Acq On : 6 Nov 2001 12:39 pm
 Sample : ref 40
 Misc :
 MS Integration Params: LSCINT.P
 Quant Time: Nov 6 13:18 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	14.46	114	636445	5.00	ug/L	0.02
22) CHLOROBENZENE-D5	21.05	117	596489	5.00	ug/L	0.02
50) 1,4-DICHLOROBENZENE-D4	26.21	152	298459	5.00	ug/L	0.02

System Monitoring Compounds

2) 1,2-DICHLOROETHANE-D4	13.67	65	208724	5.56	ug/L	0.02
Spiked Amount	5.000		Recovery	=	111.20%	
3) 4-BROMOFLUOROBENZENE	23.62	174	208677	6.31	ug/L	0.02
Spiked Amount	5.000		Recovery	=	126.20%	
23) TOLUENE-D8	17.78	98	859944	4.78	ug/L	0.03
Spiked Amount	5.000		Recovery	=	95.60%	

Target Compounds

						Qvalue
4) DICHLORODIFLUOROMETHANE	4.49	85	1732963	101.92	ug/L	99
5) CHLOROMETHANE	4.99	50	1088534	66.43	ug/L	100
6) VINYL CHLORIDE	5.13	62	695751	56.12	ug/L	98
7) BROMOMETHANE	6.08	94	818652	52.75	ug/L	98
8) CHLOROETHANE	6.22	64	657313	58.96	ug/L	97
9) TRICHLOROFLUOROMETHANE	6.76	101	2005741	73.54	ug/L	99
10) ACETONE	7.68	43	152953	44.36	ug/L	95
11) 1,1-DICHLOROETHENE	8.03	61	1788709	54.56	ug/L	94
12) METHYLENE CHLORIDE	9.00	49	1630801	45.57	ug/L	94
13) METHYL TERT BUTYL ETHER	9.31	73	1708521	28.14	ug/L	99
14) TRANS-1,2-DICHLOROETHENE	9.65	61	1860060	50.59	ug/L	95
15) 1,1-DICHLOROETHANE	10.54	63	2264511	47.05	ug/L	99
16) 2-BUTANONE (MEK)	11.36	43	240453	34.42	ug/L	96
17) 2,2-DICHLOROPROPANE	11.75	77	1856562	51.33	ug/L	98
18) CIS-1,2-DICHLOROETHENE	11.83	96	1159042	44.73	ug/L	92
19) CHLOROFORM	12.16	83	1997585	46.47	ug/L	99
20) BROMOCHLOROMETHANE	12.53	49	972976	45.24	ug/L	96
21) 1,2-DICHLOROETHANE	13.86	62	1196740	45.60	ug/L	98
24) 1,1,1-TRICHLOROETHANE	13.04	97	1719154	48.44	ug/L	99
25) 1,1-DICHLOROPROPENE	13.38	75	1714170	44.19	ug/L	99
26) CARBON TETRACHLORIDE	13.62	117	1416024	51.89	ug/L	99
27) BENZENE	13.98	78	4810670	39.63	ug/L	100
28) TRICHLOROETHENE	15.24	95	1194749	41.93	ug/L	98
29) 1,2-DICHLOROPROPANE	15.58	63	1270346	39.60	ug/L	99
30) DIBROMOMETHANE	16.23	174	341862	44.14	ug/L	87
31) BROMODICHLOROMETHANE	16.09	83	1376144	42.86	ug/L	100
32) 2-CHLOROETHYL VINYL ETHER	16.59	63	383224	42.14	ug/L	100
33) Methyl iso-butyl ketone	16.67	58	204933	41.91	ug/L	83

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

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Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01NOV6\1106R40.D

Vial: 6

Acq On : 6 Nov 2001 12:39 pm

Operator:

Sample : ref 40

Inst : GC/MS Ins

Misc :

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Nov 6 13:18 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	17.18	75	1750080	41.69	ug/L	99
35) TOLUENE	17.95	91	5178634	41.41	ug/L	100
36) TRANS-1,3-DICHLOROPROPENE	18.22	75	1285212	41.39	ug/L	99
37) 1,1,2-TRICHLOROETHANE	18.60	97	606446	38.72	ug/L	99
38) TETRACHLOROETHENE	19.38	166	1055721	50.46	ug/L	98
39) 1,3-DICHLOROPROPANE	19.12	76	1288523	40.21	ug/L	100
40) DIBROMOCHLOROMETHANE	19.81	129	688100	45.66	ug/L	99
41) 1,2-DIBROMOETHANE	20.25	107	566005	41.87	ug/L	100
42) CHLOROBENZENE	21.13	112	3254927	43.20	ug/L	100
43) 1,1,1,2-TETRACHLOROETHANE	21.17	131	983170	46.57	ug/L	99
44) 2-HEXANONE	18.51	43	408135	46.13	ug/L	96
45) ETHYLBENZENE	21.19	91	6441119	43.37	ug/L	99
46) P & M-XYLENE	21.34	106	4622363	88.90	ug/L	99
47) O-XYLENE	22.31	91	5120929	44.46	ug/L	100
48) STYRENE	22.36	104	3691094	44.86	ug/L	98
49) 1,1,2,2-TETRACHLOROETHANE	23.38	83	710381	44.01	ug/L	100
51) BROMOFORM	23.20	173	315402	52.47	ug/L	99
52) ISOPROPYLBENZENE	23.03	105	6051734	39.66	ug/L	100
53) 1,2,3-TRICHLOROPROPANE	23.71	110	179835	37.47	ug/L	100
54) N-PROPYLBENZENE	23.89	91	8446994	40.79	ug/L	98
55) BROMOBENZENE	24.12	156	1102581	41.15	ug/L	94
56) 1,3,5-TRIMETHYLBENZENE	24.22	105	5208534	39.98	ug/L	100
57) 2-CHLOROTOLUENE	24.35	91	5267562	42.58	ug/L	99
58) 4-CHLOROTOLUENE	24.44	91	4385905	36.14	ug/L	99
59) TERT-BUTYLBENZENE	25.00	134	1113934	42.49	ug/L	98
60) 1,2,4-TRIMETHYLBENZENE	25.09	105	5342983	39.19	ug/L	100
61) SEC-BUTYLBENZENE	25.44	105	7351849	40.77	ug/L	99
62) P-ISOPROPYLTOLUENE	25.72	119	5614338	39.98	ug/L	100
63) 1,3-DICHLOROBENZENE	26.06	146	2463995	41.66	ug/L	99
64) 1,4-DICHLOROBENZENE	26.28	146	2442898	41.88	ug/L	99
65) N-BUTYLBENZENE	26.60	91	6090948	38.82	ug/L	99
66) 1,2-DICHLOROBENZENE	27.11	146	2058870	42.40	ug/L	99
67) 1,2-DIBROMO-3-CHLOROPROPAN	28.77	157	92251	44.23	ug/L	96
69) 1,2,4-TRICHLOROBENZENE	30.69	180	1150179	44.72	ug/L	99
70) HEXACHLOROBUTADIENE	30.95	225	679538	56.15	ug/L	97
71) NAPHTHALENE	31.37	128	1308032	33.56	ug/L	99
72) 1,2,3-TRICHLOROBENZENE	31.92	180	823300	43.72	ug/L	99

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

1106R40.D HP102901.M Tue Nov 13 13:57:23 2001

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Quantitation Report

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Data File   : C:\HPCHEM\1\DATA\01NOV6\1106R40.D
Acq On      : 6 Nov 2001 12:39 pm
Sample      : ref 40
Misc        :
MS Integration Params: LSCINT.P
Quant Time  : Nov 6 13:18 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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