

User: Huhn, William
 Westchester Dept. of Labs & Research
 Date: 10/24/2001 Time: 14:37:23

Sample: AD25602
 Analysis: \$Q_524 Volatile Organic Compounds-Reference Rec
 Units: ug
 Started: 10/24/01 14:37 Ended: 10/24/01 14:37 Analyst: BH
 Result source: calculation
 Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Surr - 1,2-DICHLOROETHANE-		5.3		.5
2	Surr - 4-BROMOFLUOROBENZ		5		.5
3	Dichlorodifluoromethane		180		.5
4	Chloromethane		80		.5
5	Vinyl chloride		145		.5
6	Bromomethane		122.5		.5
7	Chloroethane		82.5		.5
8	Trichlorofluoromethane		125		.5
9	1,1-Dichloroethene		65		.5
10	Methylene Chloride		60		.5
11	Methyl tert butyl ether		80		1.0
12	trans-1,2-dichloroethene		70		.5
13	1,1-dichloroethane		75		.5
14	2-butanone (MEK)		85		2.0
15	2,2-dichloropropane		87.5		.5
16	cis-1,2-dichloroethene		77.5		.5
17	Chloroform		87.5		.5
18	Bromochloromethane		77.5		.5
19	1,2-dichloroethane		100		.5
20	Surr - TOLUENE-D8		4.8		.5
21	1,1,1-trichloroethane		90		.5
22	1,1-dichloropropene		77.5		.5
23	Carbon tetrachloride		87.5		.5
24	Benzene		80		.5
25	Trichloroethene		80		.5
26	1,2-dichloropropane		82.5		.5
27	Dibromomethane		80		.5
28	Bromodichloromethane		90		.5
29	Methyl iso-butyl ketone		105		1.0
30	cis-1,3-dichloropropene		77.5		.5
31	Toluene		87.5		.5
32	trans-1,3-dichloropropene		90		.5
33	1,1,2-trichloroethane		90		.5
34	Tetrachloroethene		80		.5
35	1,3-dichloropropane		95		.5
36	Dibromochloromethane		95		2.0
37	Chlorobenzene		85		.5
38	1,1,1,2-tetrachloroethane		82.5		.5
39	Ethylbenzene		82.5		.5
40	P & M-xylene		86.25		.5
41	O-xylene		95		.5
42	Styrene		92.5		.5
43	1,1,2,2-tetrachloroethane		100		.5
44	Bromoform		87.5		2.0
45	Isopropylbenzene		90		.5
46	1,2,3-trichloropropane		92.5		.5
47	N-propylbenzene		90		.5
48	Bromobenzene		85		.5

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	Component Name	Viol	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		92.5		.5
50	2-chlorotoluene		97.5		.5
51	4-chlorotoluene		90		.5
52	TERT-butylbenzene		90		.5
53	1,2,4-trimethylbenzene		97.5		.5
54	SEC-butylbenzene		92.5		.5
55	P-isopropyltoluene		90		.5
56	1,3-dichlorobenzene		90		.5
57	1,4-dichlorobenzene		90		.5
58	N-butylbenzene		97.5		.5
59	1,2-dichlorobenzene		95		.5
60	1,2,4-trichlorobenzene		92.5		.5
61	Hexachlorobutadiene		85		.5
62	Naphthalene		95		.5
63	1,2,3-trichlorobenzene		90		.5

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\01OCT17\1017R40.D
 Acq On : 17 Oct 2001 9:30 pm
 Sample : ref 40
 Misc :
 MS Integration Params: LSCINT.P
 Quant Time: Oct 17 22:08 2001

Vial: 3
 Operator:
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Results File: HP092601.RES

Quant Method : C:\HPCHEM\1\METHODS\HP092601.M (RTE Integrator)
 Title : VOCs BY EPA METHOD 524
 Last Update : Wed Sep 26 08:36:04 2001
 Response via : Initial Calibration
 DataAcq Meth : HP092601

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	14.47	114	859680	5.00	ug/L	-0.08
22) CHLOROBENZENE-D5	21.05	117	847048	5.00	ug/L	-0.10
50) 1,4-DICHLOROBENZENE-D4	26.21	152	505900	5.00	ug/L	-0.10

System Monitoring Compounds

2) 1,2-DICHLOROETHANE-D4	13.67	65	203252	5.27	ug/L	-0.10
Spiked Amount	5.000		Recovery	=	105.40%	✓
3) 4-BROMOFLUOROBENZENE	23.62	174	317883	5.03	ug/L	-0.12
Spiked Amount	5.000		Recovery	=	100.60%	✓
23) TOLUENE-D8	17.78	98	1076921	4.81	ug/L	-0.10
Spiked Amount	5.000		Recovery	=	96.20%	✓

Target Compounds

						Qvalue
4) DICHLORODIFLUOROMETHANE	4.48	85	1215269	72.26	ug/L	99
5) CHLOROMETHANE	5.03	50	627676	32.13	ug/L	99
6) VINYL CHLORIDE	5.15	62	811908	58.36	ug/L	97
7) BROMOMETHANE	6.08	94	601471	48.76	ug/L	98
8) CHLOROETHANE	6.22	64	417260	32.58	ug/L	92
9) TRICHLOROFLUOROMETHANE	6.76	101	1724762	49.69	ug/L	100
10) ACETONE	7.69	43	104650	32.46	ug/L	83
11) 1,1-DICHLOROETHENE	8.03	61	1291760	26.44	ug/L	94
12) METHYLENE CHLORIDE	9.00	49	1078185	23.64	ug/L	95
13) METHYL TERT BUTYL ETHER	9.31	73	1536378	32.48	ug/L	94
14) TRANS-1,2-DICHLOROETHENE	9.67	61	1455421	28.32	ug/L	96
15) 1,1-DICHLOROETHANE	10.54	63	1928346	29.50	ug/L	98
16) 2-BUTANONE (MEK)	11.36	43	216519	34.37	ug/L	96
17) 2,2-DICHLOROPROPANE	11.75	77	1679464	34.73	ug/L	96
18) CIS-1,2-DICHLOROETHENE	11.83	96	1185573	30.81	ug/L	93
19) CHLOROFORM	12.17	83	2112649	34.81	ug/L	99
20) BROMOCHLOROMETHANE	12.53	49	784007	30.85	ug/L	98
21) 1,2-DICHLOROETHANE	13.88	62	1212029	40.41	ug/L	98
24) 1,1,1-TRICHLOROETHANE	13.04	97	1829231	36.03	ug/L	99
25) 1,1-DICHLOROPROPENE	13.38	75	1657131	31.33	ug/L	100
26) CARBON TETRACHLORIDE	13.62	117	1544527	35.11	ug/L	99
27) BENZENE	13.98	78	5294268	32.17	ug/L	100
28) TRICHLOROETHENE	15.24	95	1301102	32.10	ug/L	96
29) 1,2-DICHLOROPROPANE	15.58	63	1317669	32.98	ug/L	100
30) DIBROMOMETHANE	16.25	174	475973	31.53	ug/L	86
31) BROMODICHLOROMETHANE	16.09	83	1491446	35.72	ug/L	98
32) 2-CHLOROETHYL VINYL ETHER	16.60	63	261475	45.08	ug/L	98
33) Methyl iso-butyl ketone	16.67	58	200966	42.35	ug/L	98

(#) = qualifier out of range (m) = manual integration
 1017R40.D HP092601.M Tue Nov 13 10:58:17 2001

Quantitation Report (QT Reviewed)

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 Acq On : 17 Oct 2001 9:30 pm
 Sample : ref 40
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 Quant Time: Oct 17 22:08 2001

Vial: 3
 Operator:
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Quant Results File: HP092601.RES

Quant Method : C:\HPCHEM\1\METHODS\HP092601.M (RTE Integrator)
 Title : VOCs BY EPA METHOD 524
 Last Update : Wed Sep 26 08:36:04 2001
 Response via : Initial Calibration
 DataAcq Meth : HP092601

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
34) CIS-1,3-DICHLOROPROPENE	17.18	75	1780917	31.37	ug/L	99
35) TOLUENE	17.95	91	6070934	35.03	ug/L	100
36) TRANS-1,3-DICHLOROPROPENE	18.22	75	1368003	35.87	ug/L	99
37) 1,1,2-TRICHLOROETHANE	18.60	97	765763	35.93	ug/L	98
38) TETRACHLOROETHENE	19.38	166	1366823	32.29	ug/L	99
39) 1,3-DICHLOROPROPANE	19.12	76	1506567	37.83	ug/L	99
40) DIBROMOCHLOROMETHANE	19.81	129	935546	37.91	ug/L	99
41) 1,2-DIBROMOETHANE	20.25	107	710180	36.28	ug/L	100
42) CHLOROBENZENE	21.13	112	3730920	33.60	ug/L	98
43) 1,1,1,2-TETRACHLOROETHANE	21.19	131	1123898	33.34	ug/L	98
44) 2-HEXANONE	18.51	43	356872	46.63	ug/L	93
45) ETHYLBENZENE	21.19	91	6766348	33.03	ug/L	100
46) P & M-XYLENE	21.34	106	5219794	68.68	ug/L	96
47) O-XYLENE	22.31	91	5990849	37.62	ug/L	100
48) STYRENE	22.36	104	4485467	37.04	ug/L	96
49) 1,1,2,2-TETRACHLOROETHANE	23.38	83	878118	39.90	ug/L	98
51) BROMOFORM	23.20	173	473112	35.06	ug/L	99
52) ISOPROPYLBENZENE	23.03	105	7615467	35.69	ug/L	98
53) 1,2,3-TRICHLOROPROPANE	23.71	110	241900	37.28	ug/L	99
54) N-PROPYLBENZENE	23.89	91	10296793	35.82	ug/L	100
55) BROMOBENZENE	24.13	156	1617240	33.92	ug/L	98
56) 1,3,5-TRIMETHYLBENZENE	24.22	105	6851333	37.10	ug/L	100
57) 2-CHLOROTOLUENE	24.37	91	6145103	39.38	ug/L	100
58) 4-CHLOROTOLUENE	24.44	91	5783791	36.15	ug/L	97
59) TERT-BUTYLBENZENE	25.00	134	1485707	36.23	ug/L	98
60) 1,2,4-TRIMETHYLBENZENE	25.10	105	7480585	38.90	ug/L	99
61) SEC-BUTYLBENZENE	25.46	105	9446482	37.23	ug/L	100
62) P-ISOPROPYLTOLUENE	25.72	119	7712276	36.48	ug/L	99
63) 1,3-DICHLOROBENZENE	26.06	146	3747286	36.07	ug/L	98
64) 1,4-DICHLOROBENZENE	26.28	146	3737588	36.37	ug/L	100
65) N-BUTYLBENZENE	26.60	91	8049895	38.51	ug/L	100
66) 1,2-DICHLOROBENZENE	27.11	146	3188620	37.54	ug/L	99
67) 1,2-DIBROMO-3-CHLOROPROPAN	28.77	157	147393	37.84	ug/L	96
68) NITROBENZENE	28.95	77	994996	1113.98	ug/L	97
69) 1,2,4-TRICHLOROBENZENE	30.71	180	2030512	36.79	ug/L	99
70) HEXACHLOROBUTADIENE	30.95	225	1290684	34.08	ug/L	99
71) NAPHTHALENE	31.37	128	2348396	37.83	ug/L	100
72) 1,2,3-TRICHLOROBENZENE	31.94	180	1461691	36.40	ug/L	98

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1017R40.D HP092601.M Tue Nov 13 10:58:20 2001

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Vial: 3
Operator:
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: HP092601.RES

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Method      : M:\INSTRU~1\206\METHODS\HP092601.M (RTE Integrator)
Title       : VOCs BY EPA METHOD 524
Last Update  : Wed Sep 26 08:36:04 2001
Response via : Initial Calibration
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