

User: Huhn, William
 Westchester Dept. of Labs & Research
 Date: 10/31/2001 Time: 11:33:58

Sample: AD26207
 Analysis: \$Q_524 Volatile Organic Compounds-Reference Rec
 Units: ug
 Started: 10/30/01 11:32 Ended: 10/30/01 11:32 Analyst: BH
 Result source: calculation
 Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Surr - 1,2-DICHLOROETHANE-		5.7		.5
2	Surr - 4-BROMOFLUOROBENZ		5.8		.5
3	Dichlorodifluoromethane		102.5		.5
4	Chloromethane		117.5		.5
5	Vinyl chloride		112.5		.5
6	Bromomethane		120		.5
7	Chloroethane		120		.5
8	Trichlorofluoromethane		90		.5
9	1,1-Dichloroethene		95		.5
10	Methylene Chloride		92.5		.5
11	Methyl tert butyl ether		72.5		1.0
12	trans-1,2-dichloroethene		102.5		.5
13	1,1-dichloroethane		100		.5
14	2-butanone (MEK)		60		2.0
15	2,2-dichloropropane		110		.5
16	cis-1,2-dichloroethene		102.5		.5
17	Chloroform		107.5		.5
18	Bromochloromethane		100		.5
19	1,2-dichloroethane		112.5		.5
20	Surr - TOLUENE-D8		5		.5
21	1,1,1-trichloroethane		110		.5
22	1,1-dichloropropene		97.5		.5
23	Carbon tetrachloride		117.5		.5
24	Benzene		92.5		.5
25	Trichloroethene		102.5		.5
26	1,2-dichloropropane		92.5		.5
27	Dibromomethane		107.5		.5
28	Bromodichloromethane		105		.5
29	Methyl iso-butyl ketone		100		1.0
30	cis-1,3-dichloropropene		100		.5
31	Toluene		97.5		.5
32	trans-1,3-dichloropropene		97.5		.5
33	1,1,2-trichloroethane		95		.5
34	Tetrachloroethene		110		.5
35	1,3-dichloropropane		95		.5
36	Dibromochloromethane		115		2.0
37	Chlorobenzene		105		.5
38	1,1,1,2-tetrachloroethane		107.5		.5
39	Ethylbenzene		97.5		.5
40	P & M-xylene		105		.5
41	O-xylene		102.5		.5
42	Styrene		107.5		.5
43	1,1,2,2-tetrachloroethane		90		.5
44	Bromoform		130		2.0
45	Isopropylbenzene		110		.5
46	1,2,3-trichloropropane		105		.5
47	N-propylbenzene		107.5		.5
48	Bromobenzene		107.5		.5

User: Huhn, William
Westchester Dept. of Labs & Research
Date: 10/31/2001 Time: 11:33:58

Sample: AD26207
Analysis: \$Q_524 Volatile Organic Compounds-Reference Rec
Units: ug
Started: 10/30/01 11:32 Ended: 10/30/01 11:32 Analyst: BH
Result source: calculation
Page: 2

	Component Name	Viol	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		112.5		.5
50	2-chlorotoluene		107.5		.5
51	4-chlorotoluene		102.5		.5
52	TERT-butylbenzene		112.5		.5
53	1,2,4-trimethylbenzene		112.5		.5
54	SEC-butylbenzene		110		.5
55	P-isopropyltoluene		110		.5
56	1,3-dichlorobenzene		107.5		.5
57	1,4-dichlorobenzene		107.5		.5
58	N-butylbenzene		105		.5
59	1,2-dichlorobenzene		107.5		.5
60	1,2,4-trichlorobenzene		105		.5
61	Hexachlorobutadiene		125		.5
62	Naphthalene		90		.5
63	1,2,3-trichlorobenzene		87.5		.5

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01OCT30\1030R40.D Vial: 4
 Acq On : 30 Oct 2001 5:04 pm Operator:
 Sample : ref 40 Inst : GC/MS Ins
 Misc : Multiplr: 1.00
 MS Integration Params: LSCINT.P
 Quant Time: Oct 30 17:43 2001 Quant Results File: HP102901.RES

Quant 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
 DataAcq Meth : HP102901

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	14.41	114	923804	5.00	ug/L	0.00
22) CHLOROBENZENE-D5	20.98	117	936987	5.00	ug/L	0.00
50) 1,4-DICHLOROBENZENE-D4	26.14	152	510019	5.00	ug/L	0.00

System Monitoring Compounds

2) 1,2-DICHLOROETHANE-D4	13.60	65	315581	5.66	ug/L	-0.02
Spiked Amount	5.000		Recovery	=	113.20%	✓
3) 4-BROMOFLUOROBENZENE	23.55	174	377465	5.82	ug/L	-0.02
Spiked Amount	5.000		Recovery	=	116.40%	✓
23) TOLUENE-D8	17.71	98	1242558	4.99	ug/L	0.00
Spiked Amount	5.000		Recovery	=	99.80%	✓

Target Compounds

						Qvalue
4) DICHLORODIFLUOROMETHANE	4.45	85	779870	40.95	ug/L	100
5) CHLOROMETHANE	4.97	50	514883	47.28	ug/L	99
6) VINYL CHLORIDE	5.10	62	626856	45.41	ug/L	99
7) BROMOMETHANE	6.05	94	606213	47.73	ug/L	97
8) CHLOROETHANE	6.17	64	449173	47.75	ug/L	99
9) TRICHLOROFLUOROMETHANE	6.71	101	1692394	35.64	ug/L	98
10) ACETONE	7.64	43	172616	32.45	ug/L	92
11) 1,1-DICHLOROETHENE	7.98	61	1982828	37.64	ug/L	98
12) METHYLENE CHLORIDE	8.95	49	1694248	36.68	ug/L	99
13) METHYL TERT BUTYL ETHER	9.24	73	2364378	28.61	ug/L	100
14) TRANS-1,2-DICHLOROETHENE	9.60	61	2221093	41.01	ug/L	98
15) 1,1-DICHLOROETHANE	10.49	63	2689695	40.41	ug/L	99
16) 2-BUTANONE (MEK)	11.30	43	241379	24.20	ug/L	97
17) 2,2-DICHLOROPROPANE	11.68	77	2588405	43.89	ug/L	98
18) CIS-1,2-DICHLOROETHENE	11.78	96	1558630	41.41	ug/L	96
19) CHLOROFORM	12.11	83	2789628	42.74	ug/L	99
20) BROMOCHLOROMETHANE	12.48	49	1081090	40.40	ug/L	89
21) 1,2-DICHLOROETHANE	13.81	62	1858307	44.70	ug/L	99
24) 1,1,1-TRICHLOROETHANE	12.97	97	2614207	44.34	ug/L	100
25) 1,1-DICHLOROPROPENE	13.31	75	2194041	38.66	ug/L	99
26) CARBON TETRACHLORIDE	13.55	117	2289039	46.64	ug/L	99
27) BENZENE	13.91	78	6081515	37.13	ug/L	99
28) TRICHLOROETHENE	15.17	95	1714369	40.73	ug/L	95
29) 1,2-DICHLOROPROPANE	15.51	63	1556256	37.26	ug/L	99
30) DIBROMOMETHANE	16.18	174	601171	43.00	ug/L	90
31) BROMODICHLOROMETHANE	16.02	83	2036074	41.73	ug/L	99
32) 2-CHLOROETHYL VINYL ETHER	16.53	63	496469	40.35	ug/L	95
33) Methyl iso-butyl ketone	16.60	58	250895	39.75	ug/L	87

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

1030R40.D HP092601.M Tue Nov 13 11:07:50 2001

Page 1

Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01OCT30\1030R40.D
 Acq On : 30 Oct 2001 5:04 pm
 Sample : ref 40
 Misc :
 MS Integration Params: LSCINT.P
 Quant Time: Oct 30 17:43 2001

Vial: 4
 Operator:
 Inst : GC/MS Ins
 Multiplr: 1.00

Quant Results File: HP102901.RES

Quant 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
 DataAcq Meth : HP102901

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
34) CIS-1,3-DICHLOROPROPENE	17.11	75	2432925	39.53	ug/L	99
35) TOLUENE	17.88	91	7175270	39.02	ug/L	99
36) TRANS-1,3-DICHLOROPROPENE	18.15	75	1854735	38.68	ug/L	99
37) 1,1,2-TRICHLOROETHANE	18.53	97	907864	38.38	ug/L	99
38) TETRACHLOROETHENE	19.31	166	1735312	43.90	ug/L	98
39) 1,3-DICHLOROPROPANE	19.06	76	1795987	37.91	ug/L	100
40) DIBROMOCHLOROMETHANE	19.74	129	1190826	45.86	ug/L	97
41) 1,2-DIBROMOETHANE	20.18	107	873126	41.00	ug/L	100
42) CHLOROBENZENE	21.07	112	4673456	41.73	ug/L	99
43) 1,1,1,2-TETRACHLOROETHANE	21.12	131	1492581	43.26	ug/L	98
44) 2-HEXANONE	18.44	43	443955	38.18	ug/L	96
45) ETHYLBENZENE	21.12	91	8639304	39.48	ug/L	99
46) P & M-XYLENE	21.27	106	6528872	83.83	ug/L	96
47) O-XYLENE	22.24	91	7396391	41.33	ug/L	99
48) STYRENE	22.29	104	5479608	42.72	ug/L	99
49) 1,1,2,2-TETRACHLOROETHANE	23.32	83	940838	36.23	ug/L	99
51) BROMOFORM	23.13	173	582377	51.56	ug/L	100
52) ISOPROPYLBENZENE	22.96	105	9196459	44.19	ug/L	100
53) 1,2,3-TRICHLOROPROPANE	23.64	110	291222	41.94	ug/L	93
54) N-PROPYLBENZENE	23.83	91	11920324	43.03	ug/L	98
55) BROMOBENZENE	24.05	156	1869718	43.29	ug/L	99
56) 1,3,5-TRIMETHYLBENZENE	24.15	105	8155906	44.63	ug/L	99
57) 2-CHLOROTOLUENE	24.30	91	7701956	43.40	ug/L	97
58) 4-CHLOROTOLUENE	24.37	91	6540722	40.82	ug/L	100
59) TERT-BUTYLBENZENE	24.93	134	1697752	44.84	ug/L	98
60) 1,2,4-TRIMETHYLBENZENE	25.02	105	8646020	45.04	ug/L	99
61) SEC-BUTYLBENZENE	25.38	105	10875590	43.89	ug/L	100
62) P-ISOPROPYLTOLUENE	25.65	119	8822760	44.27	ug/L	99
63) 1,3-DICHLOROBENZENE	25.99	146	4143019	43.39	ug/L	99
64) 1,4-DICHLOROBENZENE	26.21	146	4086129	43.41	ug/L	98
65) N-BUTYLBENZENE	26.54	91	8893124	41.59	ug/L	98
66) 1,2-DICHLOROBENZENE	27.05	146	3442820	42.75	ug/L	98
67) 1,2-DIBROMO-3-CHLOROPROPAN	28.70	157	154595	39.98	ug/L	98
69) 1,2,4-TRICHLOROBENZENE	30.62	180	2244727	41.74	ug/L	99
70) HEXACHLOROBUTADIENE	30.88	225	1485656	50.20	ug/L	100
71) NAPHTHALENE	31.29	128	2630831	35.82	ug/L	100
72) 1,2,3-TRICHLOROBENZENE	31.85	180	1603080	35.15	ug/L	98

(#) = qualifier out of range (m) = manual integration
 1030R40.D HP092601.M Tue Nov 13 11:07:53 2001

Page 2

Quantitation Report

Data File : C:\HPCHEM\1\DATA\01OCT30\1030R40.D
Acq On : 30 Oct 2001 5:04 pm
Sample : ref 40
Misc :
MS Integration Params: LSCINT.P
Quant Time: Oct 30 17:43 2001

Vial: 4
Operator:
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: HP102901.RES

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

