

User: Huhn, William
 Westchester Dept. of Labs & Research
 Date: 11/06/2001 Time: 12:34:13

Sample: AD26535
 Analysis: \$Q_524 Volatile Organic Compounds-Reference Rec
 Units: ug
 Started: 11/6/01 12:31 Ended: 11/6/01 12:31 Analyst: BH
 Result source: calculation
 Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Surr - 1,2-DICHLOROETHANE-		5		.5
2	Surr - 4-BROMOFLUOROBENZ		6		.5
3					
4	Chloromethane		150		.5
5	Vinyl chloride		145		.5
6	Bromomethane		142.5		.5
7	Chloroethane		147.5		.5
8					
9	1,1-Dichloroethene		127.5		.5
10	Methylene Chloride		102.5		.5
11	Methyl tert butyl ether		70		1.0
12	trans-1,2-dichloroethene		117.5		.5
13	1,1-dichloroethane		112.5		.5
14	2-butanone (MEK)		92.5		2.0
15	2,2-dichloropropane		122.5		.5
16	cis-1,2-dichloroethene		112.5		.5
17	Chloroform		112.5		.5
18	Bromochloromethane		102.5		.5
19	1,2-dichloroethane		102.5		.5
20	Surr - TOLUENE-DB		4.9		.5
21	1,1,1-trichloroethane		117.5		.5
22	1,1-dichloropropene		112.5		.5
23	Carbon tetrachloride		127.5		.5
24	Benzene		102.5		.5
25	Trichloroethene		107.5		.5
26	1,2-dichloropropane		97.5		.5
27	Dibromomethane		112.5		.5
28	Bromodichloromethane		107.5		.5
29	Methyl iso-butyl ketone		102.5		1.0
30	cis-1,3-dichloropropene		105		.5
31	Toluene		107.5		.5
32	trans-1,3-dichloropropene		102.5		.5
33	1,1,2-trichloroethane		100		.5
34	Tetrachloroethene		125		.5
35	1,3-dichloropropane		102.5		.5
36	Dibromochloromethane		115		2.0
37	Chlorobenzene		107.5		.5
38	1,1,1,2-tetrachloroethane		115		.5
39	Ethylbenzene		107.5		.5
40	P & M-xylene		111.25		.5
41	O-xylene		110		.5
42	Styrene		112.5		.5
43	1,1,2,2-tetrachloroethane		110		.5
44	Bromoform		127.5		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		95		.5
51	4-chlorotoluene		102.5		.5
52	TERT-butylbenzene		107.5		.5
53	1,2,4-trimethylbenzene		102.5		.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	Hexachlorobutadiene		117.5		.5
62	Naphthalene		92.5		.5
63	1,2,3-trichlorobenzene		110		.5

Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01NOV5\1105R40.D
 Acq On : 5 Nov 2001 2:01 pm
 Sample : ref 40
 Misc :
 MS Integration Params: LSCINT.P
 Quant Time: Nov 5 14:39 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	754468	5.00	ug/L	0.02
22) CHLOROBENZENE-D5	21.03	117	686606	5.00	ug/L	0.00
50) 1,4-DICHLOROBENZENE-D4	26.19	152	341743	5.00	ug/L	0.00

System Monitoring Compounds

2) 1,2-DICHLOROETHANE-D4	13.66	65	222874	5.01	ug/L	0.00
Spiked Amount	5.000		Recovery	=	100.20%	
3) 4-BROMOFLUOROBENZENE	23.62	174	237226	6.05	ug/L	0.02
Spiked Amount	5.000		Recovery	=	121.00%	
23) TOLUENE-D8	17.76	98	1012984	4.89	ug/L	0.02
Spiked Amount	5.000		Recovery	=	97.80%	

Target Compounds

						Qvalue
4) DICHLORODIFLUOROMETHANE	4.48	85	1999642	99.21	ug/L	99
5) CHLOROMETHANE	4.99	50	1161831	59.81	ug/L	99
6) VINYL CHLORIDE	5.13	62	850895	57.90	ug/L	100
7) BROMOMETHANE	6.08	94	1043575	56.72	ug/L	99
8) CHLOROETHANE	6.20	64	776044	58.72	ug/L	99
9) TRICHLOROFLUOROMETHANE	6.76	101	2392394	73.99	ug/L	99
10) ACETONE	7.68	43	170756	41.77	ug/L	100
11) 1,1-DICHLOROETHENE	8.02	61	2000814	51.49	ug/L	97
12) METHYLENE CHLORIDE	9.00	49	1732967	40.85	ug/L	99
13) METHYL TERT BUTYL ETHER	9.29	73	1987140	27.61	ug/L	100
14) TRANS-1,2-DICHLOROETHENE	9.63	61	2045747	46.94	ug/L	99
15) 1,1-DICHLOROETHANE	10.52	63	2545440	44.61	ug/L	99
16) 2-BUTANONE (MEK)	11.34	43	309286	37.34	ug/L	99
17) 2,2-DICHLOROPROPANE	11.73	77	2095582	48.87	ug/L	99
18) CIS-1,2-DICHLOROETHENE	11.82	96	1382789	45.01	ug/L	98
19) CHLOROFORM	12.16	83	2292623	44.99	ug/L	98
20) BROMOCHLOROMETHANE	12.53	49	1053172	41.31	ug/L	94
21) 1,2-DICHLOROETHANE	13.86	62	1267344	40.73	ug/L	99
24) 1,1,1-TRICHLOROETHANE	13.04	97	1910248	46.76	ug/L	99
25) 1,1-DICHLOROPROPENE	13.37	75	2000872	44.81	ug/L	100
26) CARBON TETRACHLORIDE	13.62	117	1596283	50.82	ug/L	100
27) BENZENE	13.96	78	5692390	40.74	ug/L	100
28) TRICHLOROETHENE	15.22	95	1412860	43.08	ug/L	97
29) 1,2-DICHLOROPROPANE	15.58	63	1432773	38.80	ug/L	98
30) DIBROMOMETHANE	16.23	174	402797	45.18	ug/L	94
31) BROMODICHLOROMETHANE	16.07	83	1585918	42.91	ug/L	99
32) 2-CHLOROETHYL VINYL ETHER	16.59	63	464062	44.33	ug/L	98
33) Methyl iso-butyl ketone	16.67	58	233482	41.48	ug/L	96

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

1105R40.D HP102901.M Tue Nov 13 11:51:53 2001

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Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01NOV5\1105R40.D
 Acq On : 5 Nov 2001 2:01 pm
 Sample : ref 40
 Misc :
 MS Integration Params: LSCINT.P
 Quant Time: Nov 5 14:39 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

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
34) CIS-1,3-DICHLOROPROPENE	17.18	75	2031051	42.04	ug/L	99
35) TOLUENE	17.93	91	6161599	42.81	ug/L	100
36) TRANS-1,3-DICHLOROPROPENE	18.20	75	1471784	41.17	ug/L	99
37) 1,1,2-TRICHLOROETHANE	18.60	97	725955	40.27	ug/L	99
38) TETRACHLOROETHENE	19.36	166	1208069	50.17	ug/L	96
39) 1,3-DICHLOROPROPANE	19.12	76	1525002	41.35	ug/L	100
40) DIBROMOCHLOROMETHANE	19.79	129	800926	46.17	ug/L	99
41) 1,2-DIBROMOETHANE	20.25	107	663365	42.63	ug/L	100
42) CHLOROBENZENE	21.12	112	3748783	43.22	ug/L	98
43) 1,1,1,2-TETRACHLOROETHANE	21.17	131	1119650	46.08	ug/L	98
44) 2-HEXANONE	18.49	43	447426	43.94	ug/L	98
45) ETHYLBENZENE	21.17	91	7317466	42.81	ug/L	99
46) P & M-XYLENE	21.34	106	5298146	88.52	ug/L	96
47) O-XYLENE	22.29	91	5846358	44.10	ug/L	100
48) STYRENE	22.36	104	4284443	45.23	ug/L	98
49) 1,1,2,2-TETRACHLOROETHANE	23.37	83	826126	44.46	ug/L	99
51) BROMOFORM	23.20	173	351507	51.07	ug/L	99
52) ISOPROPYLBENZENE	23.03	105	6971295	39.90	ug/L	98
53) 1,2,3-TRICHLOROPROPANE	23.71	110	205156	37.33	ug/L	95
54) N-PROPYLBENZENE	23.89	91	9710112	40.95	ug/L	97
55) BROMOBENZENE	24.12	156	1264398	41.21	ug/L	90
56) 1,3,5-TRIMETHYLBENZENE	24.20	105	6029274	40.42	ug/L	100
57) 2-CHLOROTOLUENE	24.35	91	5383376	38.00	ug/L	99
58) 4-CHLOROTOLUENE	24.44	91	5650532	40.66	ug/L	98
59) TERT-BUTYLBENZENE	24.99	134	1298880	43.27	ug/L	99
60) 1,2,4-TRIMETHYLBENZENE	25.09	105	6326996	40.53	ug/L	98
61) SEC-BUTYLBENZENE	25.45	105	8468622	41.02	ug/L	100
62) P-ISOPROPYLTOLUENE	25.72	119	6465061	40.21	ug/L	98
63) 1,3-DICHLOROBENZENE	26.06	146	2871399	42.40	ug/L	99
64) 1,4-DICHLOROBENZENE	26.26	146	2802675	41.96	ug/L	99
65) N-BUTYLBENZENE	26.59	91	7094949	39.50	ug/L	100
66) 1,2-DICHLOROBENZENE	27.11	146	2324986	41.82	ug/L	99
67) 1,2-DIBROMO-3-CHLOROPROPAN	28.77	157	100779	42.20	ug/L	98
69) 1,2,4-TRICHLOROBENZENE	30.69	180	1332964	45.27	ug/L	99
70) HEXACHLOROBTADIENE	30.95	225	652248	47.07	ug/L	98
71) NAPHTHALENE	31.37	128	1670745	37.43	ug/L	100
72) 1,2,3-TRICHLOROBENZENE	31.92	180	943143	43.74	ug/L	99

(#) = qualifier out of range (m) = manual integration
 1105R40.D HP102901.M Tue Nov 13 11:51:55 2001

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Quantitation Report

Data File : C:\HPCHEM\1\DATA\01NOV5\1105R40.D
Acq On : 5 Nov 2001 2:01 pm
Sample : ref 40
Misc :
MS Integration Params: LSCINT.P
Quant Time: Nov 5 14:39 2001

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

Quant Results File: HP110101.RES

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

