

User: Huhn, William
 Westchester Dept. of Labs & Research
 Date: 10/10/2001 Time: 14:45:19

Sample: AD24483
 Analysis: \$Q_524 Volatile Organic Compounds-Reference Rec
 Units: ug
 Started: 10/10/01 14:44 Ended: 10/10/01 14:44 Analyst: BH
 Result source: calculation
 Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Surr - 1,2-DICHLOROETHANE-		5 ✓		.5
2	Surr - 4-BROMOFLUOROBENZ		3.6 ✓		.5
3	Dichlorodifluoromethane		147.5		.5
4	Chloromethane		112.5		.5
5	Vinyl chloride		107.5		.5
6	Bromomethane		115		.5
7	Chloroethane		95		.5
8	Trichlorofluoromethane		105		.5
9	1,1-Dichloroethene		110		.5
10	Methylene Chloride		110		.5
11	Methyl tert butyl ether		97.5		1.0
12	trans-1,2-dichloroethene		107.5		.5
13	1,1-dichloroethane		110		.5
14	2-butanone (MEK)		140		2.0
15	2,2-dichloropropane		110		.5
16	cis-1,2-dichloroethene		97.5		.5
17	Chloroform		100		.5
18	Bromochloromethane		110		.5
19	1,2-dichloroethane		97.5		.5
20	Surr - TOLUENE-D8		5.4 ✓		.5
21	1,1,1-trichloroethane		115		.5
22	1,1-dichloropropene		122.5		.5
23	Carbon tetrachloride		110		.5
24	Benzene		120		.5
25	Trichloroethene		110		.5
26	1,2-dichloropropane		122.5		.5
27	Dibromomethane		87.5		.5
28	Bromodichloromethane		105		.5
29	Methyl iso-butyl ketone		130		1.0
30	cis-1,3-dichloropropene		97.5		.5
31	Toluene		112.5		.5
32	trans-1,3-dichloropropene		100		.5
33	1,1,2-trichloroethane		92.5		.5
34	Tetrachloroethene		92.5		.5
35	1,3-dichloropropane		102.5		.5
36	Dibromochloromethane		92.5		2.0
37	Chlorobenzene		97.5		.5
38	1,1,1,2-tetrachloroethane		92.5		.5
39	Ethylbenzene		107.5		.5
40	P & M-xylene		107.5		.5
41	O-xylene		105		.5
42	Styrene		102.5		.5
43	1,1,2,2-tetrachloroethane		90		.5
44	Bromoform		90		2.0
45	Isopropylbenzene		120		.5
46	1,2,3-trichloropropane		97.5		.5
47	N-propylbenzene		120		.5
48	Bromobenzene		92.5		.5

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	Component Name	Viol	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		117.5		.5
50	2-chlorotoluene		125		.5
51	4-chlorotoluene		112.5		.5
52	TERT-butylbenzene		110		.5
53	1,2,4-trimethylbenzene		117.5		.5
54	SEC-butylbenzene		117.5		.5
55	P-isopropyltoluene		112.5		.5
56	1,3-dichlorobenzene		95		.5
57	1,4-dichlorobenzene		95		.5
58	N-butylbenzene		125		.5
59	1,2-dichlorobenzene		92.5		.5
60	1,2,4-trichlorobenzene		70		.5
61	Hexachlorobutadiene		52.5		.5
62	Naphthalene		107.5		.5
63	1,2,3-trichlorobenzene		70		.5

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\01OCT09\1009R40.D
 Acq On : 9 Oct 2001 12:10 pm
 Sample : ref 40
 Misc :
 MS Integration Params: LSCINT.P
 Quant Time: Oct 10 14:41 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	14.35	114	1637407	5.00	ug/L	-0.20
22) CHLOROBENZENE-D5	20.93	117	1354559	5.00	ug/L	-0.22
50) 1,4-DICHLOROBENZENE-D4	26.09	152	646938	5.00	ug/L	-0.22

System Monitoring Compounds

2) 1,2-DICHLOROETHANE-D4	13.55	65	364088	4.96	ug/L	-0.22
Spiked Amount	5.000		Recovery	=	99.20%	✓
3) 4-BROMOFLUOROBENZENE	23.50	174	437977	3.64	ug/L	-0.24
Spiked Amount	5.000		Recovery	=	72.80%	✓
23) TOLUENE-D8	17.66	98	1924336	5.37	ug/L	-0.22
Spiked Amount	5.000		Recovery	=	107.40%	✓

Target Compounds

						Qvalue
4) DICHLORODIFLUOROMETHANE	4.42	85	1890334	59.02	ug/L	100
5) CHLOROMETHANE	4.94	50	1662104	44.68	ug/L	97
6) VINYL CHLORIDE	5.08	62	1129460	42.62	ug/L	98
7) BROMOMETHANE	6.00	94	1085944	46.22	ug/L	98
8) CHLOROETHANE	6.13	64	927430	38.02	ug/L	99
9) TRICHLOROFLUOROMETHANE	6.66	101	2788042	42.17	ug/L	100
10) ACETONE	7.59	43	357516	58.23	ug/L	94
11) 1,1-DICHLOROETHENE	7.93	61	4092091	43.98	ug/L	95
12) METHYLENE CHLORIDE	8.90	49	3851559	44.35	ug/L	93
13) METHYL TERT BUTYL ETHER	9.19	73	3552130	39.43	ug/L	97
14) TRANS-1,2-DICHLOROETHENE	9.55	61	4257500	43.49	ug/L	91
15) 1,1-DICHLOROETHANE	10.44	63	5507993	44.25	ug/L	99
16) 2-BUTANONE (MEK)	11.25	43	677415	56.46	ug/L	97
17) 2,2-DICHLOROPROPANE	11.63	77	4034530	43.80	ug/L	99
18) CIS-1,2-DICHLOROETHENE	11.73	96	2863471	39.07	ug/L	91
19) CHLOROFORM	12.05	83	4567904	39.51	ug/L	100
20) BROMOCHLOROMETHANE	12.43	49	2126192	43.93	ug/L	83
21) 1,2-DICHLOROETHANE	13.76	62	2214132	38.75	ug/L	100
24) 1,1,1-TRICHLOROETHANE	12.94	97	3753353	46.24	ug/L	100
25) 1,1-DICHLOROPROPENE	13.26	75	4120144	48.72	ug/L	98
26) CARBON TETRACHLORIDE	13.50	117	3079545	43.78	ug/L	99
27) BENZENE	13.86	78	12584928	47.82	ug/L	100
28) TRICHLOROETHENE	15.12	95	2883380	44.49	ug/L	93
29) 1,2-DICHLOROPROPANE	15.48	63	3150644	49.31	ug/L	100
30) DIBROMOMETHANE	16.13	174	833177	34.51	ug/L	80
31) BROMODICHLOROMETHANE	15.97	83	2825066	42.31	ug/L	98
32) 2-CHLOROETHYL VINYL ETHER	16.48	63	658700	71.02	ug/L	95
33) Methyl iso-butyl ketone	16.55	58	397963	52.44	ug/L	88

(#) = qualifier out of range (m) = manual integration
 1009R40.D HP092601.M Tue Nov 13 10:36:50 2001

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\01OCT09\1009R40.D
 Acq On : 9 Oct 2001 12:10 pm
 Sample : ref 40
 Misc :
 MS Integration Params: LSCINT.P
 Quant Time: Oct 10 14:41 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

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
34) CIS-1,3-DICHLOROPROPENE	17.08	75	3579419	39.43	ug/L	99
35) TOLUENE	17.83	91	12336628	44.52	ug/L	98
36) TRANS-1,3-DICHLOROPROPENE	18.10	75	2448584	40.15	ug/L	97
37) 1,1,2-TRICHLOROETHANE	18.49	97	1258213	36.92	ug/L	99
38) TETRACHLOROETHENE	19.26	166	2508196	37.05	ug/L	99
39) 1,3-DICHLOROPROPANE	19.01	76	2626431	41.24	ug/L	98
40) DIBROMOCHLOROMETHANE	19.69	129	1444253	36.59	ug/L	100
41) 1,2-DIBROMOETHANE	20.13	107	1114147	35.60	ug/L	99
42) CHLOROBENZENE	21.02	112	7001964	39.43	ug/L	96
43) 1,1,1,2-TETRACHLOROETHANE	21.07	131	1995959	37.02	ug/L	100
44) 2-HEXANONE	18.39	43	730075	59.65	ug/L	99
45) ETHYLBENZENE	21.07	91	14117746	43.09	ug/L	98
46) P & M-XYLENE	21.22	106	10428581	85.80	ug/L	94
47) O-XYLENE	22.19	91	10808276	42.44	ug/L	98
48) STYRENE	22.24	104	7870190	40.64	ug/L	95
49) 1,1,2,2-TETRACHLOROETHANE	23.26	83	1274684	36.22	ug/L	100
51) BROMOFORM	23.08	173	616934	35.76	ug/L	99
52) ISOPROPYLBENZENE	22.91	105	13177162	48.29	ug/L	97
53) 1,2,3-TRICHLOROPROPANE	23.59	110	321247	38.72	ug/L	88
54) N-PROPYLBENZENE	23.78	91	17795669	48.41	ug/L	97
55) BROMOBENZENE	24.00	156	2278944	37.38	ug/L	82
56) 1,3,5-TRIMETHYLBENZENE	24.10	105	11165727	47.28	ug/L	98
57) 2-CHLOROTOLUENE	24.25	91	9988265	50.05	ug/L	98
58) 4-CHLOROTOLUENE	24.32	91	9115600	44.55	ug/L	94
59) TERT-BUTYLBENZENE	24.88	134	2294066	43.75	ug/L	96
60) 1,2,4-TRIMETHYLBENZENE	24.99	105	11593084	47.15	ug/L	98
61) SEC-BUTYLBENZENE	25.34	105	15393424	47.44	ug/L	99
62) P-ISOPROPYLTOLUENE	25.60	119	12261329	45.35	ug/L	99
63) 1,3-DICHLOROBENZENE	25.94	146	5048474	38.00	ug/L	98
64) 1,4-DICHLOROBENZENE	26.16	146	4976613	37.87	ug/L	100
65) N-BUTYLBENZENE	26.48	91	13281213	49.69	ug/L	98
66) 1,2-DICHLOROBENZENE	27.00	146	4022372	37.03	ug/L	98
67) 1,2-DIBROMO-3-CHLOROPROPAN	28.65	157	152085	30.54	ug/L	99
68) NITROBENZENE	28.84	77	1023511	896.09	ug/L	92
69) 1,2,4-TRICHLOROBENZENE	30.57	180	2009558	28.47	ug/L	98
70) HEXACHLOROBTADIENE	30.81	225	1020702m	21.08	ug/L	
71) NAPHTHALENE	31.24	128	3411134m	42.97	ug/L	
72) 1,2,3-TRICHLOROBENZENE	30.57	180	1999659m	38.94	ug/L	

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 1009R40.D HP092601.M Tue Nov 13 10:36:53 2001

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Quantitation Report

Data File : C:\HPCHEM\1\DATA\01OCT09\1009R40.D
Acq On : 9 Oct 2001 12:10 pm
Sample : ref 40
Misc :
MS Integration Params: LSCINT.P
Quant Time: Oct 10 14:41 2001

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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