

User: Huhn, William
 Westchester Dept. of Labs & Research
 Date: 10/30/2001 Time: 11:27:16

Sample: AD26320
 Analysis: \$Q_524 Volatile Organic Compounds-Reference Rec
 Units: ug
 Started: 10/30/01 11:26 Ended: 10/30/01 11:26 Analyst: BH
 Result source: calculation
 Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Surr - 1,2-DICHLOROETHANE-		4.6		.5
2	Surr - 4-BROMOFLUOROBENZ		4.8		.5
3	Dichlorodifluoromethane		67.5		.5
4	Chloromethane		110		.5
5	Vinyl chloride		77.5		.5
6					
7	Chloroethane		100		.5
8	Trichlorofluoromethane		105		.5
9	1,1-Dichloroethene		90		.5
10	Methylene Chloride		85		.5
11	Methyl tert butyl ether		67.5		1.0
12	trans-1,2-dichloroethene		92.5		.5
13	1,1-dichloroethane		95		.5
14	2-butanone (MEK)		70		2.0
15	2,2-dichloropropane		97.5		.5
16	cis-1,2-dichloroethene		97.5		.5
17	Chloroform		95		.5
18	Bromochloromethane		100		.5
19	1,2-dichloroethane		90		.5
20	Surr - TOLUENE-D8		5.2		.5
21	1,1,1-trichloroethane		100		.5
22	1,1-dichloropropene		97.5		.5
23	Carbon tetrachloride		100		.5
24	Benzene		92.5		.5
25	Trichloroethene		100		.5
26	1,2-dichloropropane		97.5		.5
27	Dibromomethane		102.5		.5
28	Bromodichloromethane		100		.5
29	Methyl iso-butyl ketone		102.5		1.0
30	cis-1,3-dichloropropene		100		.5
31	Toluene		97.5		.5
32	trans-1,3-dichloropropene		92.5		.5
33	1,1,2-trichloroethane		92.5		.5
34	Tetrachloroethene		102.5		.5
35	1,3-dichloropropane		95		.5
36	Dibromochloromethane		100		2.0
37	Chlorobenzene		92.5		.5
38	1,1,1,2-tetrachloroethane		90		.5
39	Ethylbenzene		92.5		.5
40	P & M-xylene		92.5		.5
41	O-xylene		95		.5
42	Styrene		97.5		.5
43	1,1,2,2-tetrachloroethane		90		.5
44	Bromoform		120		2.0
45	Isopropylbenzene		105		.5
46	1,2,3-trichloropropane		97.5		.5
47	N-propylbenzene		107.5		.5
48	Bromobenzene		100		.5

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Page: 2

	Component Name	Viol	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		102.5		.5
50	2-chlorotoluene		107.5		.5
51	4-chlorotoluene		97.5		.5
52	TERT-butylbenzene		105		.5
53	1,2,4-trimethylbenzene		102.5		.5
54	SEC-butylbenzene		102.5		.5
55	P-isopropyltoluene		97.5		.5
56	1,3-dichlorobenzene		100		.5
57	1,4-dichlorobenzene		97.5		.5
58	N-butylbenzene		102.5		.5
59	1,2-dichlorobenzene		95		.5
60	1,2,4-trichlorobenzene		87.5		.5
61	Hexachlorobutadiene		100		.5
62	Naphthalene		80		.5
63	1,2,3-trichlorobenzene		72.5		.5

Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01OCT29\1029R40.D
 Acq On : 29 Oct 2001 2:53 pm
 Sample : ref 40
 Misc :
 MS Integration Params: LSCINT.P
 Quant Time: Nov 13 11:25 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	14.39	114	1181786	5.00	ug/L	-0.02
22) CHLOROBENZENE-D5	20.98	117	1111160	5.00	ug/L	0.00
50) 1,4-DICHLOROBENZENE-D4	26.13	152	572020	5.00	ug/L	-0.02

System Monitoring Compounds

2) 1,2-DICHLOROETHANE-D4	13.60	65	325237	4.56	ug/L	-0.02
Spiked Amount	5.000		Recovery	=	91.20%	
3) 4-BROMOFLUOROBENZENE	23.55	174	396414	4.78	ug/L	-0.02
Spiked Amount	5.000		Recovery	=	95.60%	
23) TOLUENE-D8	17.71	98	1529309	5.18	ug/L	0.00
Spiked Amount	5.000		Recovery	=	103.60%	

Target Compounds

						Qvalue
4) DICHLORODIFLUOROMETHANE	4.44	85	1559581	64.02	ug/L	99
5) CHLOROMETHANE	4.96	50	963213	69.14	ug/L	99
6) VINYL CHLORIDE	5.10	62	738074	41.80	ug/L	99
7) BROMOMETHANE	6.03	94	935070	57.56	ug/L	97
8) CHLOROETHANE	6.15	64	653321	54.29	ug/L	98
9) TRICHLOROFLUOROMETHANE	6.69	101	2551819	42.00	ug/L	99
10) ACETONE	7.63	43	241367	35.47	ug/L	92
11) 1,1-DICHLOROETHENE	7.97	61	2438687	36.19	ug/L	94
12) METHYLENE CHLORIDE	8.94	49	2030254	34.36	ug/L	99
13) METHYL TERT BUTYL ETHER	9.23	73	2808810	26.57	ug/L	99
14) TRANS-1,2-DICHLOROETHENE	9.60	61	2578613	37.22	ug/L	95
15) 1,1-DICHLOROETHANE	10.47	63	3245617	38.12	ug/L	100
16) 2-BUTANONE (MEK)	11.29	43	361668	28.35	ug/L	99
17) 2,2-DICHLOROPROPANE	11.66	77	2950830	39.11	ug/L	96
18) CIS-1,2-DICHLOROETHENE	11.76	96	1866872	38.77	ug/L	94
19) CHLOROFORM	12.11	83	3152015	37.75	ug/L	98
20) BROMOCHLOROMETHANE	12.46	49	1355433	39.60	ug/L	99
21) 1,2-DICHLOROETHANE	13.79	62	1893268	35.60	ug/L	99
24) 1,1,1-TRICHLOROETHANE	12.97	97	2808931	40.18	ug/L	99
25) 1,1-DICHLOROPROPENE	13.30	75	2644155	39.29	ug/L	99
26) CARBON TETRACHLORIDE	13.55	117	2347949	40.34	ug/L	99
27) BENZENE	13.91	78	7276211	37.46	ug/L	99
28) TRICHLOROETHENE	15.16	95	1973374	39.54	ug/L	98
29) 1,2-DICHLOROPROPANE	15.51	63	1955776	39.49	ug/L	98
30) DIBROMOMETHANE	16.18	174	686644	41.42	ug/L	87
31) BROMODICHLOROMETHANE	16.02	83	2300188	39.75	ug/L	100
32) 2-CHLOROETHYL VINYL ETHER	16.52	63	619023	42.43	ug/L	99
33) Methyl iso-butyl ketone	16.60	58	310339	41.46	ug/L	93

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

1029R40.D HP102901.M Tue Nov 13 11:25:46 2001

Page 1

Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01OCT29\1029R40.D

Vial: 4

Acq On : 29 Oct 2001 2:53 pm

Operator:

Sample : ref 40

Inst : GC/MS Ins

Misc :

Multiplr: 1.00

MS Integration Params: LSCINT.P

Quant Time: Nov 13 11:25 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

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
34) CIS-1,3-DICHLOROPROPENE	17.11	75	2887596	39.56	ug/L	98
35) TOLUENE	17.88	91	8395321	38.50	ug/L	99
36) TRANS-1,3-DICHLOROPROPENE	18.15	75	2092312	36.80	ug/L	97
37) 1,1,2-TRICHLOROETHANE	18.53	97	1041627	37.13	ug/L	97
38) TETRACHLOROETHENE	19.31	166	1938641	41.36	ug/L	96
39) 1,3-DICHLOROPROPANE	19.06	76	2159088	38.43	ug/L	99
40) DIBROMOCHLOROMETHANE	19.74	129	1238620	40.22	ug/L	98
41) 1,2-DIBROMOETHANE	20.18	107	963636	38.16	ug/L	99
42) CHLOROBENZENE	21.07	112	4930949	37.12	ug/L	99
43) 1,1,1,2-TETRACHLOROETHANE	21.10	131	1456789	35.60	ug/L	99
44) 2-HEXANONE	18.43	43	603874	43.80	ug/L	99
45) ETHYLBENZENE	21.12	91	9647069	37.17	ug/L	98
46) P & M-XYLENE	21.27	106	6868855	74.37	ug/L	92
47) O-XYLENE	22.24	91	8151323	38.41	ug/L	100
48) STYRENE	22.29	104	5971266	39.26	ug/L	100
49) 1,1,2,2-TETRACHLOROETHANE	23.32	83	1113896	36.17	ug/L	100
51) BROMOFORM	23.13	173	605050	47.76	ug/L	100
52) ISOPROPYLBENZENE	22.96	105	9840267	42.16	ug/L	99
53) 1,2,3-TRICHLOROPROPANE	23.64	110	301812	38.75	ug/L	96
54) N-PROPYLBENZENE	23.83	91	13333045	42.92	ug/L	98
55) BROMOBENZENE	24.05	156	1951553	40.29	ug/L	95
56) 1,3,5-TRIMETHYLBENZENE	24.15	105	8432949	41.14	ug/L	100
57) 2-CHLOROTOLUENE	24.29	91	8459192	42.50	ug/L	97
58) 4-CHLOROTOLUENE	24.37	91	6976774	38.83	ug/L	96
59) TERT-BUTYLBENZENE	24.93	134	1762617	41.50	ug/L	98
60) 1,2,4-TRIMETHYLBENZENE	25.02	105	8904791	41.36	ug/L	98
61) SEC-BUTYLBENZENE	25.38	105	11411513	41.06	ug/L	99
62) P-ISOPROPYLTOLUENE	25.65	119	8827337	39.49	ug/L	99
63) 1,3-DICHLOROBENZENE	25.99	146	4235781	39.55	ug/L	100
64) 1,4-DICHLOROBENZENE	26.21	146	4142118	39.24	ug/L	97
65) N-BUTYLBENZENE	26.54	91	9735510	40.59	ug/L	100
66) 1,2-DICHLOROBENZENE	27.05	146	3464421	38.36	ug/L	97
67) 1,2-DIBROMO-3-CHLOROPROPAN	28.70	157	156460	36.08	ug/L	96
69) 1,2,4-TRICHLOROBENZENE	30.62	180	2121813	35.18	ug/L	99
70) HEXACHLOROBTADIENE	30.88	225	1325866	39.95	ug/L	100
71) NAPHTHALENE	31.29	128	2639982	32.05	ug/L	100
72) 1,2,3-TRICHLOROBENZENE	31.85	180	1493347	29.20	ug/L	99

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

1029R40.D HP102901.M

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Quantitation Report

Data File : C:\HPCHEM\1\DATA\01OCT29\1029R40.D
Acq On : 29 Oct 2001 2:53 pm
Sample : ref 40
Misc :
MS Integration Params: LSCINT.P
Quant Time: Nov 13 11:25 2001

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

Quant Results File: HP102901.RES

Method : C:\HPCHEM\1\METHODS\HP102901.M (RTE Integrator)
Title : VOCs BY EPA METHOD 524
Last Update : Thu Nov 01 15:20:46 2001
Response via : Initial Calibration

