User: Huhn, William
Westchester Dept. of Labs & Research
Date: 11/13/2001 Time: 15:53:52

35-65

Sample: AD26987
Analysis: $RE524 Reference recovery for 524
Units: ug
Started: 11/8/01 00:02 Ended: 11/8/01 00:02 Analyst: BH
Result source: c:\hpchem\1\data\01nov8\1108r40.d\1108r40.rr
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	1,2-DICHLOROETHANE-D4		5.0 ✓		
2	4-BROMOFLUOROBENZENE		5.7 ✓		
3	DICHLORODIFLUOROMETHAN		49		.5
4	CHLOROMETHANE		54		.5
5	VINYL CHLORIDE		28 — fail		.5
6	BROMOMETHANE		39		.5
7	CHLOROETHANE		48		.5
8	TRICHLOROFLUOROMETHAN		54		.5
9	ACETONE		35		.5
10	1,1-DICHLOROETHENE		49		.5
11	METHYLENE CHLORIDE		42		.5
12	METHYL TERT BUTYL ETHER		25 — fail		1
13	TRANS-1,2-DICHLOROETHEN		47		.5
14	1,1-DICHLOROETHANE		44		.5
15	2-BUTANONE (MEK)		35		.5
16	2,2-DICHLOROPROPANE		49		.5
17	CIS-1,2-DICHLOROETHENE		45		.5
18	CHLOROFORM		44		.5
19	BROMOCHLOROMETHANE		43		.5
20	1,2-DICHLOROETHANE		42		.5
21	TOLUENE-D8		4.8 ✓		
22	1,1,1-TRICHLOROETHANE		47		.5
23	1,1-DICHLOROPROPENE		44		.5
24	CARBON TETRACHLORIDE		49		.5
25	BENZENE		41		.5
26	TRICHLOROETHENE		44		.5
27	1,2-DICHLOROPROPANE		40		.5
28	DIBROMOMETHANE		44		.5
29	BROMODICHLOROMETHANE		42		.5
30	2-CHLOROETHYL VINYL ETHE		45		.5
31	METHYL ISO-BUTYL KETONE		41		1
32	CIS-1,3-DICHLOROPROPENE		41		.5
33	TOLUENE		42		.5
34	TRANS-1,3-DICHLOROPROPE		40		.5
35	1,1,2-TRICHLOROETHANE		39		.5
36	TETRACHLOROETHENE		51		.5
37	1,3-DICHLOROPROPANE		39		.5
38	DIBROMOCHLOROMETHANE		44		2
39	1,2-DIBROMOETHANE		41		.5
40	CHLOROBENZENE		45		.5
41	1,1,1,2-TETRACHLOROETHA		46		.5
42	2-HEXANONE		45		.5
43	ETHYLBENZENE		44		.5
44	P & M-XYLENE		90		.5
45	O-XYLENE		44		.5
46	STYRENE		44		.5
47	1,1,2,2-TETRACHLOROETHA		42		.5
48	BROMOFORM		51		2

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Sample: AD26987
Analysis: $RE524 Reference recovery for 524
Units: ug
Started: 11/8/01 00:02 Ended: 11/8/01 00:02 Analyst: BH
Result source: c:\hpchem\1\data\01nov8\1108r40.d\1108r40.rr

	Component Name	Vial	Result	Qualifier	MDL
49	ISOPROPYLBENZENE		44		.5
50	1,2,3-TRICHLOROPROPANE		38		.5
51	N-PROPYLBENZENE		44		.5
52	BROMOBENZENE		43		.5
53	1,3,5-TRIMETHYLBENZENE		42		.5
54	2-CHLOROTOLUENE		42		.5
55	4-CHLOROTOLUENE		42		.5
56	TERT-BUTYLBENZENE		46		.5
57	1,2,4-TRIMETHYLBENZENE		41		.5
58	SEC-BUTYLBENZENE		44		.5
59	P-ISOPROPYLTOLUENE		42		.5
60	1,3-DICHLOROBENZENE		43		.5
61	1,4-DICHLOROBENZENE		43		.5
62	N-BUTYLBENZENE		41		.5
63	1,2-DICHLOROBENZENE		43		.5
64	1,2-DIBROMO-3-CHLOROPRO		43		.5
65	1,2,4-TRICHLOROBENZENE		44		.5
66	HEXACHLOROBUTADIENE		55		.5
67	NAPHTHALENE		34 — fail		.5
68	1,2,3-TRICHLOROBENZENE		41		.5
69	ETHANOL		< MDL		30

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01nov8\1108R40.D Vial: 7
Acq On : 8 Nov 2001 2:02 pm Operator:
Sample : ref 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Nov 8 14:41 2001 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	725389	5.00	ug/L	0.02
22) CHLOROBENZENE-D5	21.03	117	657778	5.00	ug/L	0.00
50) 1,4-DICHLOROBENZENE-D4	26.19	152	293402	5.00	ug/L	0.00
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	13.66	65	215105	5.02	ug/L	0.00
Spiked Amount 5.000			Recovery = 100.40%			
3) 4-BROMOFLUOROBENZENE	23.61	174	213857	5.67	ug/L	0.00
Spiked Amount 5.000			Recovery = 113.40%			
23) TOLUENE-D8	17.76	98	953343	4.80	ug/L	0.02
Spiked Amount 5.000			Recovery = 96.00%			
Target Compounds						Qvalue
4) DICHLORODIFLUOROMETHANE	4.48	85	951351	49.09	ug/L	99
5) CHLOROMETHANE	4.98	50	1002625	53.68	ug/L	99
6) VINYL CHLORIDE	5.11	62	389934	27.60	ug/L	97
7) BROMOMETHANE	6.06	94	691076	39.07	ug/L	99
8) CHLOROETHANE	6.20	64	612201	48.18	ug/L	100
9) TRICHLOROFLUOROMETHANE	6.74	101	1673303	53.83	ug/L	99
10) ACETONE	7.66	43	135975	34.60	ug/L	93
11) 1,1-DICHLOROETHENE	8.02	61	1845213	49.39	ug/L	97
12) METHYLENE CHLORIDE	8.99	49	1700336	41.69	ug/L	97
13) METHYL TERT BUTYL ETHER	9.29	73	1762608	25.47	ug/L	98
14) TRANS-1,2-DICHLOROETHENE	9.65	61	1983237	47.33	ug/L	98
15) 1,1-DICHLOROETHANE	10.52	63	2437461	44.43	ug/L	99
16) 2-BUTANONE (MEK)	11.36	43	281921	35.40	ug/L	99
17) 2,2-DICHLOROPROPANE	11.73	77	2004507	48.62	ug/L	99
18) CIS-1,2-DICHLOROETHENE	11.82	96	1321383	44.74	ug/L	95
19) CHLOROFORM	12.16	83	2172516	44.35	ug/L	98
20) BROMOCHLOROMETHANE	12.51	49	1061162	43.29	ug/L	97
21) 1,2-DICHLOROETHANE	13.86	62	1254655	41.94	ug/L	99
24) 1,1,1-TRICHLOROETHANE	13.04	97	1831793	46.80	ug/L	100
25) 1,1-DICHLOROPROPENE	13.37	75	1899478	44.41	ug/L	100
26) CARBON TETRACHLORIDE	13.62	117	1487354	49.43	ug/L	100
27) BENZENE	13.98	78	5519784	41.23	ug/L	100
28) TRICHLOROETHENE	15.22	95	1366875	43.50	ug/L	99
29) 1,2-DICHLOROPROPANE	15.58	63	1412246	39.92	ug/L	99
30) DIBROMOMETHANE	16.23	174	378040	44.26	ug/L	99
31) BROMODICHLOROMETHANE	16.07	83	1487429	42.01	ug/L	99
32) 2-CHLOROETHYL VINYL ETHER	16.59	63	451309	45.00	ug/L	98
33) Methyl iso-butyl ketone	16.65	58	221642	41.10	ug/L	85

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

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01nov8\1108R40.D Vial: 7
Acq On : 8 Nov 2001 2:02 pm Operator:
Sample : ref 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Nov 8 14:41 2001 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	1920605	41.49 ug/L	99
35)	TOLUENE	17.93	91	5840407	42.35 ug/L	100
36)	TRANS-1,3-DICHLOROPROPENE	18.20	75	1355186	39.57 ug/L	99
37)	1,1,2-TRICHLOROETHANE	18.60	97	667607	38.65 ug/L	98
38)	TETRACHLOROETHENE	19.36	166	1179782	51.14 ug/L	99
39)	1,3-DICHLOROPROPANE	19.11	76	1385944	39.22 ug/L	99
40)	DIBROMOCHLOROMETHANE	19.79	129	733765	44.16 ug/L	100
41)	1,2-DIBROMOETHANE	20.23	107	614111	41.19 ug/L	99
42)	CHLOROBENZENE	21.12	112	3708791	44.64 ug/L	98
43)	1,1,1,2-TETRACHLOROETHANE	21.17	131	1072661	46.08 ug/L	99
44)	2-HEXANONE	18.49	43	435409	44.63 ug/L	97
45)	ETHYLBENZENE	21.17	91	7263580	44.36 ug/L	98
46)	P & M-XYLENE	21.32	106	5163255	90.05 ug/L	98
47)	O-XYLENE	22.29	91	5614044	44.20 ug/L	100
48)	STYRENE	22.34	104	3970978	43.76 ug/L	99
49)	1,1,2,2-TETRACHLOROETHANE	23.37	83	739893	41.56 ug/L	100
51)	BROMOFORM	23.18	173	303381	51.34 ug/L	99
52)	ISOPROPYLBENZENE	23.01	105	6645503	44.31 ug/L	99
53)	1,2,3-TRICHLOROPROPANE	23.69	110	181504	38.47 ug/L	94
54)	N-PROPYLBENZENE	23.88	91	8995280	44.18 ug/L	99
55)	BROMOBENZENE	24.12	156	1125856	42.74 ug/L	89
56)	1,3,5-TRIMETHYLBENZENE	24.20	105	5391450	42.10 ug/L	100
57)	2-CHLOROTOLUENE	24.35	91	5102094	41.95 ug/L	99
58)	4-CHLOROTOLUENE	24.42	91	4979118	41.73 ug/L	100
59)	TERT-BUTYLBENZENE	24.99	134	1193928	46.32 ug/L	100
60)	1,2,4-TRIMETHYLBENZENE	25.09	105	5489863	40.97 ug/L	99
61)	SEC-BUTYLBENZENE	25.45	105	7828138	44.16 ug/L	100
62)	P-ISOPROPYLTOLUENE	25.70	119	5849376	42.37 ug/L	100
63)	1,3-DICHLOROBENZENE	26.04	146	2526287	43.45 ug/L	99
64)	1,4-DICHLOROBENZENE	26.26	146	2492023	43.46 ug/L	99
65)	N-BUTYLBENZENE	26.59	91	6297673	40.83 ug/L	99
66)	1,2-DICHLOROBENZENE	27.10	146	2046754	42.88 ug/L	99
67)	1,2-DIBROMO-3-CHLOROPROPAN	28.75	157	89024	43.42 ug/L	100
68)	NITROBENZENE	28.94	77	1237394	1366.26 ug/L	95
69)	1,2,4-TRICHLOROBENZENE	30.69	180	1106781	43.78 ug/L	99
70)	HEXACHLOROBUTADIENE	30.93	225	650812	54.70 ug/L	98
71)	NAPHTHALENE	31.36	128	1290234	33.67 ug/L	100
72)	1,2,3-TRICHLOROBENZENE	31.92	180	762339	41.18 ug/L	99

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

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Data File : C:\HPCHEM\1\DATA\01nov8\1108R40.D
Acq On : 8 Nov 2001 2:02 pm
Sample : ref 40
Misc :
MS Integration Params: LSCINT.P
Quant Time: Nov 8 14:41 2001

Vial: 7
Operator:
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: HP110101.RES

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