

User: Huhn, William
 Westchester Dept. of Labs & Research
 Date: 10/17/2001 Time: 15:10:43

Sample: AD25155
 Analysis: \$Q_524 Volatile Organic Compounds-Reference Rec
 Units: ug
 Started: 10/17/01 12:04 Ended: 10/17/01 12:04 Analyst: BH
 Result source: calculation
 Page: 1

	Component Name	Viol	Result	Qualifier	MDL
1	Surr - 1,2-DICHLOROETHANE-		5		.5
2	Surr - 4-BROMOFLUOROBENZ		4.7		.5
3	Dichlorodifluoromethane		132.5 ✓		.5
4	Chloromethane		82.5		.5
5	Vinyl chloride		115		.5
6	Bromomethane		110		.5
7	Chloroethane		85		.5
8	Trichlorofluoromethane		107.5		.5
9	1,1-Dichloroethene		82.5		.5
10	Methylene Chloride		82.5		.5
11	Methyl tert butyl ether		85		1.0
12	trans-1,2-dichloroethene		85		.5
13	1,1-dichloroethane		90		.5
14	2-butanone (MEK)		102.5		2.0
15	2,2-dichloropropane		95		.5
16	cis-1,2-dichloroethene		87.5		.5
17	Chloroform		90		.5
18	Bromochloromethane		95		.5
19	1,2-dichloroethane		92.5		.5
20	Surr - TOLUENE-D8		4.9		.5
21	1,1,1-trichloroethane		92.5		.5
22	1,1-dichloropropene		90		.5
23	Carbon tetrachloride		90		.5
24	Benzene		92.5		.5
25	Trichloroethene		87.5		.5
26	1,2-dichloropropane		97.5		.5
27	Dibromomethane		80		.5
28	Bromodichloromethane		90		.5
29	Methyl iso-butyl ketone		115		1.0
30	cis-1,3-dichloropropene		85		.5
31	Toluene		97.5		.5
32	trans-1,3-dichloropropene		92.5		.5
33	1,1,2-trichloroethane		90		.5
34	Tetrachloroethene		82.5		.5
35	1,3-dichloropropane		95		.5
36	Dibromochloromethane		92.5		2.0
37	Chlorobenzene		90		.5
38	1,1,1,2-tetrachloroethane		85		.5
39	Ethylbenzene		90		.5
40	P & M-xylene		95		.5
41	O-xylene		97.5		.5
42	Styrene		97.5		.5
43	1,1,2,2-tetrachloroethane		102.5		.5
44	Bromoform		85		2.0
45	Isopropylbenzene		97.5		.5
46	1,2,3-trichloropropane		90		.5
47	N-propylbenzene		100		.5
48	Bromobenzene		85		.5

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Page: 2

	Component Name	Vol	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		100		.5
50	2-chlorotoluene		110		.5
51	4-chlorotoluene		90		.5
52	TERT-butylbenzene		97.5		.5
53	1,2,4-trimethylbenzene		105		.5
54	SEC-butylbenzene		102.5		.5
55	P-isopropyltoluene		97.5		.5
56	1,3-dichlorobenzene		92.5		.5
57	1,4-dichlorobenzene		92.5		.5
58	N-butylbenzene		107.5		.5
59	1,2-dichlorobenzene		95		.5
60	1,2,4-trichlorobenzene		90		.5
61	Hexachlorobutadiene		87.5		.5
62	Naphthalene		92.5		.5
63	1,2,3-trichlorobenzene		87.5		.5

Quantitation Report (Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01OCT15\1015R40.D
 Acq On : 15 Oct 2001 5:12 pm
 Sample : ref
 Misc :
 MS Integration Params: LSCINT.P
 Quant Time: Oct 15 17:50 2001

Vial: 7
 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	14.46	114	1008291	5.00	ug/L	-0.10
22) CHLOROBENZENE-D5	21.05	117	954099	5.00	ug/L	-0.10
50) 1,4-DICHLOROBENZENE-D4	26.19	152	558863	5.00	ug/L	-0.12

System Monitoring Compounds

2) 1,2-DICHLOROETHANE-D4	13.67	65	224150	4.96	ug/L	-0.10
Spiked Amount	5.000		Recovery	=	99.20%	
3) 4-BROMOFLUOROBENZENE	23.62	174	349915	4.72	ug/L	-0.12
Spiked Amount	5.000		Recovery	=	94.40%	
23) TOLUENE-D8	17.78	98	1224542	4.85	ug/L	-0.10
Spiked Amount	5.000		Recovery	=	97.00%	

Target Compounds

						Qvalue
4) DICHLORODIFLUOROMETHANE	4.48	85	1040510	52.75	ug/L	99
5) CHLOROMETHANE	5.00	50	761109	33.22	ug/L	98
6) VINYL CHLORIDE	5.15	62	758268	46.47	ug/L	98
7) BROMOMETHANE	6.08	94	643457	44.47	ug/L	99
8) CHLOROETHANE	6.22	64	508453	33.85	ug/L	97
9) TRICHLOROFLUOROMETHANE	6.76	101	1744907	42.86	ug/L	100
10) ACETONE	7.69	43	141937	37.54	ug/L	92
11) 1,1-DICHLOROETHENE	8.03	61	1900276	33.16	ug/L	98
12) METHYLENE CHLORIDE	9.00	49	1748949	32.70	ug/L	98
13) METHYL TERT BUTYL ETHER	9.29	73	1906266	34.36	ug/L	99
14) TRANS-1,2-DICHLOROETHENE	9.67	61	2070226	34.35	ug/L	99
15) 1,1-DICHLOROETHANE	10.54	63	2747777	35.85	ug/L	99
16) 2-BUTANONE (MEK)	11.36	43	300162	40.62	ug/L	98
17) 2,2-DICHLOROPROPANE	11.73	77	2149658	37.90	ug/L	98
18) CIS-1,2-DICHLOROETHENE	11.83	96	1586961	35.16	ug/L	94
19) CHLOROFORM	12.17	83	2564879	36.03	ug/L	98
20) BROMOCHLOROMETHANE	12.53	49	1118964	37.54	ug/L	89
21) 1,2-DICHLOROETHANE	13.86	62	1311391	37.28	ug/L	99
24) 1,1,1-TRICHLOROETHANE	13.04	97	2087808	36.51	ug/L	99
25) 1,1-DICHLOROPROPENE	13.37	75	2129810	35.75	ug/L	99
26) CARBON TETRACHLORIDE	13.62	117	1775516	35.83	ug/L	99
27) BENZENE	13.98	78	6920882	37.33	ug/L	100
28) TRICHLOROETHENE	15.22	95	1609883	35.26	ug/L	92
29) 1,2-DICHLOROPROPANE	15.58	63	1769484	39.31	ug/L	99
30) DIBROMOMETHANE	16.25	174	537094	31.59	ug/L	90
31) BROMODICHLOROMETHANE	16.09	83	1714090	36.44	ug/L	99
32) 2-CHLOROETHYL VINYL ETHER	16.59	63	306856	46.97	ug/L	96
33) Methyl iso-butyl ketone	16.67	58	243950	45.64	ug/L	98

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

1015R40.D HP092601.M Tue Nov 13 11:02:48 2001

Page 1

Quantitation Report

(Not Reviewed)

Data File : C:\HPCHEM\1\DATA\01OCT15\1015R40.D
 Acq On : 15 Oct 2001 5:12 pm
 Sample : ref
 Misc :
 MS Integration Params: LSCINT.P
 Quant Time: Oct 15 17:50 2001

Vial: 7
 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	17.18	75	2179718	34.09	ug/L	99
35) TOLUENE	17.95	91	7666593	39.28	ug/L	99
36) TRANS-1,3-DICHLOROPROPENE	18.22	75	1594787	37.13	ug/L	99
37) 1,1,2-TRICHLOROETHANE	18.60	97	874333	36.42	ug/L	99
38) TETRACHLOROETHENE	19.38	166	1575746	33.05	ug/L	99
39) 1,3-DICHLOROPROPANE	19.12	76	1726601	38.49	ug/L	100
40) DIBROMOCHLOROMETHANE	19.81	129	1015370	36.52	ug/L	100
41) 1,2-DIBROMOETHANE	20.25	107	782135	35.48	ug/L	98
42) CHLOROBENZENE	21.13	112	4470240	35.74	ug/L	98
43) 1,1,1,2-TETRACHLOROETHANE	21.17	131	1292826	34.05	ug/L	99
44) 2-HEXANONE	18.49	43	422910	49.06	ug/L	98
45) ETHYLBENZENE	21.19	91	8309690	36.01	ug/L	100
46) P & M-XYLENE	21.34	106	6487651	75.78	ug/L	98
47) O-XYLENE	22.31	91	7084706	39.49	ug/L	99
48) STYRENE	22.36	104	5376077	39.42	ug/L	97
49) 1,1,2,2-TETRACHLOROETHANE	23.38	83	1025399	41.37	ug/L	97
51) BROMOFORM	23.20	173	506244	33.96	ug/L	100
52) ISOPROPYLBENZENE	23.03	105	9153161	38.83	ug/L	98
53) 1,2,3-TRICHLOROPROPANE	23.71	110	260143	36.30	ug/L	97
54) N-PROPYLBENZENE	23.89	91	12575951	39.60	ug/L	99
55) BROMOBENZENE	24.12	156	1812879	34.42	ug/L	88
56) 1,3,5-TRIMETHYLBENZENE	24.22	105	8203643	40.21	ug/L	99
57) 2-CHLOROTOLUENE	24.35	91	7668121	44.48	ug/L	98
58) 4-CHLOROTOLUENE	24.44	91	6436937	36.42	ug/L	98
59) TERT-BUTYLBENZENE	25.00	134	1745810	38.54	ug/L	98
60) 1,2,4-TRIMETHYLBENZENE	25.09	105	8820582	41.53	ug/L	99
61) SEC-BUTYLBENZENE	25.45	105	11496802	41.01	ug/L	99
62) P-ISOPROPYLTOLUENE	25.72	119	9198257	39.39	ug/L	99
63) 1,3-DICHLOROBENZENE	26.06	146	4290153	37.39	ug/L	99
64) 1,4-DICHLOROBENZENE	26.28	146	4203950	37.03	ug/L	99
65) N-BUTYLBENZENE	26.60	91	9880114	42.79	ug/L	100
66) 1,2-DICHLOROBENZENE	27.11	146	3548691	37.82	ug/L	99
67) 1,2-DIBROMO-3-CHLOROPROPAN	28.77	157	155245	36.08	ug/L	98
68) NITROBENZENE	28.95	77	1036007	1049.97	ug/L	98
69) 1,2,4-TRICHLOROBENZENE	30.69	180	2207979	36.21	ug/L	98
70) HEXACHLOROBUTADIENE	30.95	225	1452583	34.72	ug/L	98
71) NAPHTHALENE	31.37	128	2549351	37.18	ug/L	100
72) 1,2,3-TRICHLOROBENZENE	31.92	180	1549400	34.93	ug/L	97

(#) = qualifier out of range (m) = manual integration
 1015R40.D HP092601.M Tue Nov 13 11:02:51 2001

Page 2

Quantitation Report

Data File : C:\HPCHEM\1\DATA\01OCT15\1015R40.D
 Acq On : 15 Oct 2001 5:12 pm
 Sample : ref
 Misc :
 MS Integration Params: LSCINT.P
 Quant Time: Oct 15 17:50 2001

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

Quant Results File: HP092601.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

