User: Huhn, William
Westchester Dept. of Labs & Research
Date: 11/01/2001 Time: 14:53:23

Sample: AD26393
Analysis: $Q_524 Volatile Organic Compounds-Reference Rec
Units: ug
Started: 11/1/01 14:52 Ended: 11/1/01 14:52 Analyst: BH
Result source: manual entry
Page: 1

	Component Name	Vial	Result	Qualifier	MDL
1	Surr - 1,2-DICHLOROETHANE-		5.8		.5
2	Surr - 4-BROMOFLUOROBENZ		5.6		.5
3	[illegible]	[illegible]	[illegible]		[illegible]
4	[illegible]	[illegible]	[illegible]		[illegible]
5	Vinyl chloride		165		.5
6	[illegible]	[illegible]	[illegible]		[illegible]
7	Chloroethane		147.5		.5
8	Trichlorofluoromethane		130		.5
9	1,1-Dichloroethene		110		.5
10	Methylene Chloride		102.5		.5
11	Methyl tert butyl ether		82.5		1.0
12	trans-1,2-dichloroethene		115		.5
13	1,1-dichloroethane		117.5		.5
14	2-butanone (MEK)		75		2.0
15	2,2-dichloropropane		127.5		.5
16	cis-1,2-dichloroethene		117.5		.5
17	Chloroform		122.5		.5
18	Bromochloromethane		115		.5
19	1,2-dichloroethane		130		.5
20	Surr - TOLUENE-D8		5.2		.5
21	[illegible]	[illegible]	[illegible]		[illegible]
22	1,1-dichloropropene		117.5		.5
23	[illegible]	[illegible]	[illegible]		[illegible]
24	Benzene		107.5		.5
25	Trichloroethene		122.5		.5
26	1,2-dichloropropane		110		.5
27	[illegible]	[illegible]	[illegible]		[illegible]
28	Bromodichloromethane		127.5		.5
29	Methyl iso-butyl ketone		127.5		1.0
30	cis-1,3-dichloropropene		120		.5
31	Toluene		115		.5
32	trans-1,3-dichloropropene		117.5		.5
33	1,1,2-trichloroethane		112.5		.5
34	[illegible]	[illegible]	[illegible]		[illegible]
35	1,3-dichloropropane		112.5		.5
36	Dibromochloromethane		137.5		2.0
37	Chlorobenzene		127.5		.5
38	[illegible]	[illegible]	[illegible]		[illegible]
39	Ethylbenzene		120		.5
40	P & M-xylene		123.75		.5
41	O-xylene		122.5		.5
42	Styrene		125		.5
43	1,1,2,2-tetrachloroethane		110		.5
44	Bromoform		150		2.0
45	Isopropylbenzene		127.5		.5
46	1,2,3-trichloropropane		122.5		.5
47	N-propylbenzene		122.5		.5
48	Bromobenzene		120		.5

Instrument recalibrated next day.
BH
Since all are out on the high side, and none of these analytes were present in the samples, this reference is accepted as valid. BH 11/1/01

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	Component Name	Vial	Result	Qualifier	MDL
49	1,3,5-trimethylbenzene		125		.5
50	2-chlorotoluene		125		.5
51	4-chlorotoluene		112.5		.5
52	TERT-butylbenzene		130		.5
53	1,2,4-trimethylbenzene		130		.5
54	SEC-butylbenzene		125		.5
55	P-isopropyltoluene		127.5		.5
56	1,3-dichlorobenzene		122.5		.5
57	1,4-dichlorobenzene		125		.5
58	[illegible]	[illegible]	[illegible]		[illegible]
59	1,2-dichlorobenzene		127.5		.5
60	[illegible]	[illegible]	[illegible]		[illegible]
61	[illegible]	[illegible]	[illegible]		[illegible]
62	Naphthalene		127.5		.5
63	1,2,3-trichlorobenzene		125		.5

Quantitation Report (QT Reviewed)

Data File : C:\HPCHEM\1\DATA\01OCT31\1031R40A.D Vial: 4
Acq On : 31 Oct 2001 2:12 pm Operator:
Sample : ref 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Oct 31 14:50 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-DIFLUOROBENZENE	14.39	114	898953	5.00	ug/L	-0.02
22) CHLOROBENZENE-D5	20.98	117	862358	5.00	ug/L	0.00
50) 1,4-DICHLOROBENZENE-D4	26.13	152	489120	5.00	ug/L	-0.02
System Monitoring Compounds						
2) 1,2-DICHLOROETHANE-D4	13.60	65	317088	5.85	ug/L	-0.02
Spiked Amount 5.000			Recovery = 117.00%			
3) 4-BROMOFLUOROBENZENE	23.55	174	353256	5.60	ug/L	-0.02
Spiked Amount 5.000			Recovery = 112.00%			
23) TOLUENE-D8	17.69	98	1197331	5.22	ug/L	-0.02
Spiked Amount 5.000			Recovery = 104.40%			
Target Compounds						Qvalue
4) DICHLORODIFLUOROMETHANE	4.44	85	1415973	76.41	ug/L	100
5) CHLOROMETHANE	4.96	50	761821	71.89	ug/L	100
6) VINYL CHLORIDE	5.08	62	884540	65.85	ug/L	99
7) BROMOMETHANE	6.01	94	761783	61.64	ug/L	97
8) CHLOROETHANE	6.15	64	543224	59.34	ug/L	99
9) TRICHLOROFLUOROMETHANE	6.69	101	2385774	51.63	ug/L	100
10) ACETONE	7.63	43	202845	39.18	ug/L	91
11) 1,1-DICHLOROETHENE	7.97	61	2264511	44.18	ug/L	97
12) METHYLENE CHLORIDE	8.94	49	1854343	41.26	ug/L	98
13) METHYL TERT BUTYL ETHER	9.23	73	2647444	32.92	ug/L	100
14) TRANS-1,2-DICHLOROETHENE	9.58	61	2410471	45.74	ug/L	99
15) 1,1-DICHLOROETHANE	10.47	63	3026649	46.73	ug/L	99
16) 2-BUTANONE (MEK)	11.29	43	292331	30.12	ug/L	99
17) 2,2-DICHLOROPROPANE	11.66	77	2928767	51.03	ug/L	98
18) CIS-1,2-DICHLOROETHENE	11.76	96	1707912	46.63	ug/L	96
19) CHLOROFORM	12.09	83	3098703	48.79	ug/L	98
20) BROMOCHLOROMETHANE	12.46	49	1185788	45.54	ug/L	91
21) 1,2-DICHLOROETHANE	13.79	62	2092837	51.73	ug/L	100
24) 1,1,1-TRICHLOROETHANE	12.97	97	2950949	54.39	ug/L	99
25) 1,1-DICHLOROPROPENE	13.30	75	2479303	47.47	ug/L	98
26) CARBON TETRACHLORIDE	13.55	117	2656728	58.82	ug/L	100
27) BENZENE	13.89	78	6556067	43.49	ug/L	99
28) TRICHLOROETHENE	15.15	95	1886748	48.71	ug/L	97
29) 1,2-DICHLOROPROPANE	15.51	63	1702479	44.29	ug/L	98
30) DIBROMOMETHANE	16.18	174	679026	52.77	ug/L	83
31) BROMODICHLOROMETHANE	16.02	83	2267957	50.51	ug/L	99
32) 2-CHLOROETHYL VINYL ETHER	16.52	63	560240	49.47	ug/L	94
33) Methyl iso-butyl ketone	16.59	58	295517	50.87	ug/L	93

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

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Acq On : 31 Oct 2001 2:12 pm Operator:
Sample : ref 40 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: LSCINT.P
Quant Time: Oct 31 14:50 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	2691731	47.52 ug/L	99
35)	TOLUENE	17.86	91	7813652	46.17 ug/L	100
36)	TRANS-1,3-DICHLOROPROPENE	18.15	75	2073143	46.98 ug/L	98
37)	1,1,2-TRICHLOROETHANE	18.53	97	987650	45.37 ug/L	99
38)	TETRACHLOROETHENE	19.31	166	1960072	53.88 ug/L	95
39)	1,3-DICHLOROPROPANE	19.06	76	1978629	45.38 ug/L	100
40)	DIBROMOCHLOROMETHANE	19.72	129	1308183	54.74 ug/L	100
41)	1,2-DIBROMOETHANE	20.18	107	956166	48.79 ug/L	100
42)	CHLOROBENZENE	21.05	112	5209117	50.53 ug/L	98
43)	1,1,1,2-TETRACHLOROETHANE	21.10	131	1701477	53.58 ug/L	98
44)	2-HEXANONE	18.43	43	524728	49.04 ug/L	98
45)	ETHYLBENZENE	21.10	91	9755231	48.43 ug/L	100
46)	P & M-XYLENE	21.27	106	7074804	98.70 ug/L	96
47)	O-XYLENE	22.22	91	8083728	49.08 ug/L	99
48)	STYRENE	22.29	104	5910247	50.07 ug/L	99
49)	1,1,2,2-TETRACHLOROETHANE	23.32	83	1043492	43.66 ug/L	100
51)	BROMOFORM	23.13	173	647307	59.76 ug/L	98
52)	ISOPROPYLBENZENE	22.96	105	10212500	51.17 ug/L	100
53)	1,2,3-TRICHLOROPROPANE	23.64	110	324364	48.71 ug/L	93
54)	N-PROPYLBENZENE	23.83	91	13002612	48.95 ug/L	98
55)	BROMOBENZENE	24.05	156	1992281	48.10 ug/L	98
56)	1,3,5-TRIMETHYLBENZENE	24.15	105	8720063	49.75 ug/L	100
57)	2-CHLOROTOLUENE	24.29	91	8589971	50.47 ug/L	100
58)	4-CHLOROTOLUENE	24.37	91	6858521	44.64 ug/L	100
59)	TERT-BUTYLBENZENE	24.93	134	1886392	51.95 ug/L	98
60)	1,2,4-TRIMETHYLBENZENE	25.02	105	9544933	51.85 ug/L	99
61)	SEC-BUTYLBENZENE	25.38	105	11986467	50.44 ug/L	100
62)	P-ISOPROPYLTOLUENE	25.65	119	9684614	50.67 ug/L	99
63)	1,3-DICHLOROBENZENE	25.99	146	4531908	49.49 ug/L	100
64)	1,4-DICHLOROBENZENE	26.21	146	4525862	50.14 ug/L	98
65)	N-BUTYLBENZENE	26.54	91	10086657	49.18 ug/L	98
66)	1,2-DICHLOROBENZENE	27.05	146	3964192	51.33 ug/L	98
67)	1,2-DIBROMO-3-CHLOROPROPAN	28.70	157	201186	54.25 ug/L	99
69)	1,2,4-TRICHLOROBENZENE	30.62	180	2947625	57.15 ug/L	99
70)	HEXACHLOROBUTADIENE	30.88	225	1835714	64.68 ug/L	99
71)	NAPHTHALENE	31.29	128	3614898	51.32 ug/L	99
72)	1,2,3-TRICHLOROBENZENE	31.85	180	2174258	49.71 ug/L	97

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MS Integration Params: LSCINT.P
Quant Time: Oct 31 14:50 2001 Quant Results File: HP102901.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