

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N041024W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Thu Apr 11 09:25:01 2024
 Response Via : Initial Calibration

Calibration Files

5 =VN081678.D 20 =VN081684.D 50 =VN081680.D 100 =VN081681.D 150 =VN081682.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	4.383	4.190	4.172	4.148	4.066	4.192	2.79
3) M	Chloromethane	4.163	3.768	3.612	3.267	3.374	3.637	9.73
4) M	Vinyl Chloride	3.772	3.491	3.678	3.825	3.933	3.740	4.46
5) M	Bromomethane	3.834	3.360	2.836	2.943	2.863	3.167	13.54
6) M	Chloroethane	3.429	2.800	2.699	2.935	2.772	2.927	10.02
7) M	Trichlorofluorom...	4.602	7.629	7.030	4.427	7.010	6.140	24.52
8) T	Diethyl Ether	2.171	2.432	2.156	2.384	2.307	2.290	5.41
9)	1,1,2-Trichlorot...	4.522	4.412	4.032	4.108	3.987	4.212	5.70
10) M	1,1-Dichloroethene	3.729	4.104	3.692	3.930	3.861	3.863	4.29
11)	Methyl Iodide	3.562	3.583	4.576	5.156	4.998	4.375	17.44
12)	Methyl Acetate	3.950	3.519	3.463	3.572	3.232	3.547	7.33
13) M	Acrolein	0.547	0.433	0.432	0.469	0.455	0.467	10.09
14) M	Acrylonitrile	1.810	1.780	1.746	1.801	1.693	1.766	2.71
15) M	Acetone	0.438	0.394	0.365	0.393	0.352	0.388	8.57
16) M	Carbon Disulfide	1.175	1.128	1.058	1.084	1.048	1.099	E1 4.80
17)	Allyl chloride	4.631	4.826	4.577	4.782	4.551	4.673	2.65
18) M	Methylene Chloride	4.679	4.589	4.428	4.370	4.177	4.448	4.40
19) M	trans-1,2-Dichlo...	4.273	4.452	4.106	4.254	4.097	4.236	3.43
20) T	Diisopropyl ether	0.999	1.177	1.123	1.170	1.095	1.113	E1 6.48
21) M	1,1-Dichloroethane	7.711	7.670	7.358	7.419	6.933	7.418	4.20
22) M	cis-1,2-Dichloro...	5.066	5.294	5.058	5.230	4.931	5.116	2.85
23) M	tert-Butyl Alcohol	0.618	0.667	0.609	0.650	0.590	0.627	4.98
24) M	Methyl tert-Buty...	1.082	1.258	1.217	1.274	1.210	1.208	E1 6.25
25) M	Chloroform	8.833	8.809	8.372	8.352	7.835	8.440	4.85
26)	Cyclohexane	5.376	5.998	6.170	6.248	5.942	5.947	5.76
27) s	1,2-Dichloroetha...	3.977	3.843	3.679	3.593	3.336	3.685	6.66
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.770	0.748	0.837	0.805	0.783	0.789	4.35
30) M	2-Butanone	0.324	0.288	0.310	0.301	0.282	0.301	5.61
31)	2,2-Dichloropropane	1.004	0.978	1.018	0.976	0.936	0.982	3.20
32) M	1,1,1-Trichloroe...	1.142	1.063	1.113	1.073	1.043	1.087	3.67
33) M	Carbon Tetrachlo...	1.082	0.939	1.009	0.957	0.939	0.985	6.23
34) M	Benzene	2.711	2.404	2.625	2.520	2.444	2.541	5.00
35)	Methacrylonitrile	0.333	0.330	0.366	0.335	0.342	0.341	4.31
36) M	1,2-Dichloroethane	0.972	0.791	0.841	0.798	0.764	0.833	9.88
37) M	Trichloroethene	0.727	0.625	0.670	0.670	0.670	0.672	5.38
38)	Methylcyclohexane	0.891	0.927	0.999	1.000	1.004	0.964	5.40
39) M	1,2-Dichloropropane	0.651	0.566	0.610	0.580	0.556	0.593	6.50
40)	Dibromomethane	0.507	0.466	0.485	0.461	0.442	0.472	5.30
41) M	Bromodichloromet...	1.047	0.922	0.973	0.952	0.920	0.963	5.39
42) M	Vinyl Acetate	1.129	1.213	1.347	1.330	1.256	1.255	7.11
43)	Ethyl Acetate	0.724	0.605	0.675	0.678	0.637	0.664	6.78
44)	Isopropyl Acetate	1.162	1.027	1.150	1.130	1.092	1.112	4.88
45) T	1,4-Dioxane	0.011	0.012	0.013	0.013	0.012	0.012	7.29
46)	Methyl methacrylate	0.516	0.465	0.537	0.499	0.484	0.500	5.59
47)	n-amyl Acetate	0.918	0.907	1.057	1.070	1.039	0.998	7.90
48) M	t-1,3-Dichloropr...	0.854	0.879	0.950	0.964	0.939	0.917	5.23
49) T	cis-1,3-Dichloro...	0.958	0.942	1.024	1.023	0.992	0.988	3.78
50) M	1,1,2-Trichloroe...	0.686	0.607	0.645	0.620	0.603	0.632	5.36
51)	Ethyl methacrylate	0.742	0.835	0.940	0.960	0.925	0.880	10.32
52)	1,3-Dichloropropane	1.109	1.005	1.063	1.020	0.984	1.036	4.81
53) M	Dibromochloromet...	0.752	0.721	0.781	0.774	0.748	0.755	3.11
54) M	1,2-Dibromoethane	0.680	0.630	0.670	0.659	0.629	0.653	3.54
55) M	2-Chloroethyl vi...	0.341	0.399	0.482	0.475	0.465	0.432	14.10
56) M	Bromoform	0.454	0.452	0.513	0.507	0.490	0.483	5.96

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		-----ISTD-----							
57) I	Chlorobenzene-d5								
58) M	4-Methyl-2-Penta...	0.513	0.506	0.533	0.528	0.500	0.516		2.73
59) M	2-Hexanone	0.381	0.377	0.413	0.397	0.370	0.387		4.44
60) S	4-Bromofluoroben...	0.557	0.586	0.613	0.609	0.585	0.590		3.75
61) M	Tetrachloroethene	0.574	0.539	0.569	0.557	0.540	0.556		2.91
62) M	Toluene	2.208	2.159	2.209	2.190	2.146	2.183		1.32
63) S	Toluene-d8	1.225	1.221	1.227	1.195	1.150	1.203		2.71
64) M	Chlorobenzene	1.379	1.364	1.384	1.406	1.387	1.384		1.11
65)	1,1,1,2-Tetrachl...	0.516	0.508	0.495	0.501	0.492	0.503		1.93
66) M	Ethyl Benzene	1.960	2.298	2.431	2.467	2.447	2.321		9.15
67) M	m/p-Xylenes	0.776	0.923	0.967	0.973	0.957	0.919		8.98
68) M	o-Xylene	0.708	0.862	0.920	0.943	0.930	0.873		11.13
69) M	Styrene	1.201	1.468	1.568	1.605	1.588	1.486		11.31
70)	Isopropylbenzene	1.816	2.240	2.385	2.417	2.398	2.251		11.25
71) M	1,1,2,2-Tetrachl...	0.646	0.587	0.580	0.580	0.547	0.588		6.13
72)	1,2,3-Trichlorop...	0.571	0.557	0.576	0.562	0.456	0.544		9.16
73)	Bromobenzene	0.535	0.550	0.570	0.577	0.558	0.558		2.97
74)	n-propylbenzene	2.320	2.617	2.847	2.868	2.822	2.695		8.63
75)	2-Chlorotoluene	1.430	1.601	1.690	1.665	1.642	1.605		6.43
76)	1,3,5-Trimethylb...	1.560	1.922	2.044	2.038	1.990	1.911		10.56
77)	t-1,4-Dichloro-2...	0.204	0.217	0.226	0.244	0.236	0.225		7.11
78)	4-Chlorotoluene	1.396	1.600	1.664	1.666	1.636	1.592		7.09
79)	tert-butylbenzene	1.282	1.604	1.725	1.764	1.752	1.626		12.45
80)	1,2,4-Trimethylb...	1.535	1.907	2.060	2.034	1.992	1.906		11.29
81)	sec-Butylbenzene	1.874	2.314	2.473	2.537	2.523	2.344		11.84
82)	p-Isopropyltoluene	1.478	1.946	2.098	2.148	2.160	1.966		14.55
83) M	1,3-Dichlorobenzene	0.970	1.025	1.072	1.091	1.054	1.042		4.50
84) M	1,4-Dichlorobenzene	0.895	1.015	1.038	1.056	1.041	1.009		6.47
85)	n-Butylbenzene	1.231	1.617	1.748	1.852	1.833	1.656		15.40
86) T	Hexachloroethane	0.353	0.364	0.371	0.397	0.392	0.376		4.98
87) M	1,2-Dichlorobenzene	0.897	0.999	1.031	1.037	0.997	0.992		5.64
88)	1,2-Dibromo-3-Ch...	0.133	0.119	0.128	0.133	0.127	0.128		4.31
89)	1,2,4-Trichlorob...	0.423	0.536	0.557	0.603	0.600	0.544		13.46
90)	Hexachlorobutadiene	0.210	0.213	0.217	0.224	0.226	0.218		3.23
91) M	Naphthalene	1.193	1.609	1.851	2.054	2.037	1.749		20.53
92)	1,2,3-Trichlorob...	0.423	0.536	0.557	0.603	0.600	0.544		13.46

(#) = Out of Range

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