

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N011321W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Thu Jan 14 04:12:08 2021
 Response Via : Initial Calibration

Calibration Files

5 =VN065493.D 20 =VN065494.D 50 =VN065495.D 100 =VN065496.D 150 =VN065497.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.613	1.354	1.474	1.540	1.482	1.493	6.40
3) M	Chloromethane	1.964	1.687	1.838	1.913	1.840	1.848	5.66
4) M	Vinyl Chloride	2.117	1.813	2.037	2.124	2.087	2.036	6.35
5) M	Bromomethane	1.610	1.356	1.444	1.518	1.335	1.452	7.86
6) M	Chloroethane	1.354	1.192	1.343	1.381	1.348	1.324	5.64
7) M	Trichlorofluorom...	2.833	2.482	2.724	2.782	2.741	2.712	5.00
8) T	Diethyl Ether	1.081	1.025	1.118	1.149	1.145	1.103	4.66
9)	1,1,2-Trichlorot...	1.701	1.498	1.624	1.636	1.597	1.611	4.60
10) M	1,1-Dichloroethene	1.708	1.502	1.662	1.701	1.677	1.650	5.14
11)	Methyl Iodide	2.419	2.357	2.724	2.784	2.734	2.604	7.65
12)	Methyl Acetate	1.624	1.516	1.636	1.673	1.632	1.616	3.65
13) M	Acrolein	0.288	0.246	0.267	0.284	0.280	0.273	6.29
14) M	Acrylonitrile	0.667	0.682	0.748	0.795	0.768	0.732	7.54
15) M	Acetone	0.247	0.214	0.218	0.227	0.216	0.224	6.05
16) M	Carbon Disulfide	4.006	3.527	4.056	4.242	4.225	4.011	7.21
17)	Allyl chloride	2.316	2.076	2.375	2.466	2.460	2.339	6.81
18) M	Methylene Chloride	1.938	1.652	1.788	1.799	1.774	1.790	5.68
19) M	trans-1,2-Dichlo...	1.696	1.507	1.659	1.732	1.707	1.660	5.41
20) T	Diisopropyl ether	4.799	4.487	5.028	5.127	5.054	4.899	5.33
21) M	1,1-Dichloroethane	2.950	2.685	2.960	3.045	2.997	2.927	4.80
22) M	cis-1,2-Dichloro...	1.901	1.719	1.953	2.039	2.005	1.923	6.53
23) M	tert-Butyl Alcohol	0.225	0.213	0.213	0.245	0.235	0.226	6.10
24) M	Methyl tert-Buty...	4.636	4.353	4.929	5.165	5.105	4.838	7.03
25) M	Chloroform	3.095	2.748	3.077	3.113	3.066	3.020	5.07
26)	Cyclohexane	2.390	2.170	2.518	2.615	2.591	2.457	7.44
27) s	1,2-Dichloroetha...	1.904	1.913	1.879	1.854	1.820	1.874	2.04
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.429	0.375	0.428	0.450	0.450	0.426	7.17
30) M	2-Butanone	0.171	0.161	0.170	0.181	0.177	0.172	4.42
31)	2,2-Dichloropropane	0.446	0.395	0.447	0.457	0.458	0.440	5.92
32) M	1,1,1-Trichloroe...	0.485	0.435	0.491	0.497	0.503	0.482	5.64
33) M	Carbon Tetrachlo...	0.411	0.375	0.430	0.450	0.455	0.424	7.62
34) M	Benzene	1.338	1.179	1.331	1.361	1.351	1.312	5.75
35)	Methacrylonitrile	0.153	0.171	0.180	0.194	0.194	0.179	9.70
36) M	1,2-Dichloroethane	0.451	0.404	0.432	0.436	0.440	0.433	4.09
37) M	Trichloroethene	0.402	0.348	0.397	0.404	0.403	0.391	6.15
38)	Methylcyclohexane	0.479	0.427	0.504	0.531	0.532	0.495	8.79
39) M	1,2-Dichloropropane	0.343	0.310	0.344	0.354	0.352	0.341	5.22
40)	Dibromomethane	0.227	0.208	0.232	0.238	0.237	0.228	5.34
41) M	Bromodichloromet...	0.425	0.392	0.451	0.469	0.473	0.442	7.67
42) M	Vinyl Acetate	0.716	0.678	0.764	0.788	0.782	0.745	6.34
43)	Ethyl Acetate	0.369	0.327	0.374	0.383	0.384	0.367	6.42
44)	Isopropyl Acetate	0.591	0.559	0.615	0.653	0.650	0.614	6.52
45) T	1,4-Dioxane	0.004	0.004	0.004	0.005	0.005	0.004#	8.48
46)	Methyl methacrylate	0.288	0.269	0.310	0.324	0.324	0.303	7.97
47)	n-amyl Acetate	0.431	0.450	0.545	0.605	0.622	0.531	16.46
48) M	t-1,3-Dichloropr...	0.438	0.414	0.506	0.543	0.550	0.490	12.53
49) T	cis-1,3-Dichloro...	0.496	0.473	0.555	0.579	0.592	0.539	9.65
50) M	1,1,2-Trichloroe...	0.331	0.302	0.342	0.348	0.346	0.334	5.75
51)	Ethyl methacrylate	0.409	0.408	0.483	0.518	0.521	0.468	12.00
52)	1,3-Dichloropropane	0.552	0.496	0.561	0.580	0.579	0.553	6.17
53) M	Dibromochloromet...	0.323	0.317	0.382	0.410	0.416	0.370	12.76
54) M	1,2-Dibromoethane	0.352	0.315	0.361	0.379	0.380	0.357	7.39
55) M	2-Chloroethyl vi...	0.185	0.180	0.208	0.225	0.226	0.205	10.48
56) M	Bromoform	0.239	0.239	0.297	0.327	0.337	0.288	16.28

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.392	0.374	0.398	0.420	0.407	0.398	4.29
59) M	2-Hexanone	0.271	0.265	0.290	0.310	0.304	0.288	6.82
60) S	4-Bromofluoroben...	0.420	0.440	0.467	0.466	0.478	0.454	5.24
61) M	Tetrachloroethene	0.538	0.444	0.489	0.471	0.454	0.479	7.73
62) M	Toluene	1.609	1.417	1.587	1.624	1.594	1.566	5.40
63) S	Toluene-d8	1.343	1.322	1.319	1.293	1.289	1.313	1.72
64) M	Chlorobenzene	1.029	0.911	1.028	1.064	1.059	1.018	6.09
65)	1,1,1,2-Tetrachl...	0.369	0.345	0.389	0.404	0.406	0.383	6.73
66) M	Ethyl Benzene	1.645	1.518	1.763	1.830	1.803	1.712	7.54
67) M	m/p-Xylenes	0.624	0.595	0.689	0.721	0.720	0.670	8.59
68) M	o-Xylene	0.605	0.574	0.671	0.694	0.692	0.647	8.46
69) M	Styrene	0.945	0.948	1.132	1.188	1.192	1.081	11.58
70)	Isopropylbenzene	1.579	1.503	1.744	1.824	1.810	1.692	8.47
71) M	1,1,2,2-Tetrachl...	0.464	0.432	0.490	0.509	0.511	0.481	6.94
72)	1,2,3-Trichlorop...	0.433	0.408	0.452	0.510	0.480	0.457	8.74
73)	Bromobenzene	0.463	0.429	0.495	0.514	0.520	0.484	7.89
74)	n-propylbenzene	1.722	1.674	1.974	2.065	2.044	1.896	9.73
75)	2-Chlorotoluene	1.063	1.021	1.182	1.225	1.231	1.144	8.43
76)	1,3,5-Trimethylb...	1.329	1.289	1.498	1.567	1.565	1.450	9.12
77)	t-1,4-Dichloro-2...	0.118	0.132	0.168	0.191	0.193	0.161	21.18
78)	4-Chlorotoluene	0.996	1.021	1.203	1.274	1.292	1.157	12.09
79)	tert-butylbenzene	1.148	1.096	1.286	1.348	1.351	1.246	9.43
80)	1,2,4-Trimethylb...	1.261	1.284	1.498	1.581	1.588	1.443	11.05
81)	sec-Butylbenzene	1.455	1.420	1.667	1.754	1.757	1.611	10.10
82)	p-Isopropyltoluene	1.296	1.304	1.570	1.672	1.683	1.505	12.78
83) M	1,3-Dichlorobenzene	0.664	0.692	0.844	0.894	0.917	0.802	14.57
84) M	1,4-Dichlorobenzene	0.630	0.653	0.831	0.884	0.916	0.783	16.94
85)	n-Butylbenzene	0.962	0.998	1.253	1.349	1.387	1.190	16.65
86) T	Hexachloroethane	0.194	0.207	0.258	0.285	0.295	0.248	18.36
87) M	1,2-Dichlorobenzene	0.670	0.690	0.830	0.870	0.891	0.790	13.05
88)	1,2-Dibromo-3-Ch...	0.061	0.072	0.090	0.103	0.104	0.086	22.23
89)	1,2,4-Trichlorob...	0.211	0.297	0.450	0.522	0.555	0.407	36.34
90)	Hexachlorobutadiene	0.263	0.245	0.285	0.295	0.293	0.276	7.92
91) M	Naphthalene	0.476	0.695	1.080	1.333	1.442	1.005	41.02
92)	1,2,3-Trichlorob...	0.224	0.306	0.430	0.500	0.544	0.401	33.36

(#) = Out of Range