

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N041321W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Thu Apr 15 19:20:03 2021
 Response Via : Initial Calibration

Calibration Files

5 =VN066579.D 20 =VN066580.D 50 =VN066575.D

	Compound	5	20	50	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----				
2) M	Dichlorodifluoro...	2.089	2.032	2.372	2.164	8.41
3) M	Chloromethane	3.266	2.742	3.100	3.036	8.82
4) M	Vinyl Chloride	2.751	2.582	3.006	2.780	7.69
5) M	Bromomethane	2.009	1.703	1.861	1.858	8.22
6) M	Chloroethane	1.925	1.666	1.968	1.853	8.81
7) M	Trichlorofluorom...	4.190	3.690	4.119	4.000	6.76
8) T	Diethyl Ether	1.553	1.335	1.539	1.476	8.28
9)	1,1,2-Trichlorot...	2.108	1.913	2.175	2.065	6.59
10) M	1,1-Dichloroethene	2.110	1.882	2.048	2.013	5.85
11)	Methyl Iodide	2.284	2.427	2.781	2.497	10.25
12)	Methyl Acetate	4.681	3.765	4.093	4.180	11.11
13) M	Acrolein	0.526	0.373	0.446	0.449	17.10
14) M	Acrylonitrile	1.149	1.003	1.172	1.108	8.30
15) M	Acetone	0.485	0.344	0.396	0.408	17.40
16) M	Carbon Disulfide	7.734	6.189	6.854	6.926	11.19
17)	Allyl chloride	4.940	5.201	5.820	5.320	8.49
18) M	Methylene Chloride	2.746	1.972	2.124	2.281	17.98
19) M	trans-1,2-Dichlo...	2.055	1.727	1.994	1.925	9.06
20) T	Diisopropyl ether	7.451	7.166	8.653	7.757	10.18
21) M	1,1-Dichloroethane	4.398	3.709	4.264	4.123	8.86
22) M	cis-1,2-Dichloro...	2.194	1.864	2.200	2.086	9.21
23) M	tert-Butyl Alcohol	0.438	0.318	0.351	0.369	16.75
24) M	Methyl tert-Buty...	6.187	5.453	6.508	6.050	8.94
25) M	Chloroform	4.286	3.656	4.203	4.048	8.46
26)	Cyclohexane	3.098	2.696	4.765	3.520	31.18
27) s	1,2-Dichloroetha...	2.785	2.766	2.747	2.766	0.70
28) I	1,4-Difluorobenzene	-----ISTD-----				
29)	1,1-Dichloropropene	0.607	0.532	0.653	0.597	10.18
30) M	2-Butanone	0.352	0.292	0.369	0.338	11.89
31)	2,2-Dichloropropane	0.765	0.631	0.789	0.729	11.70
32) M	1,1,1-Trichloroe...	0.764	0.654	0.780	0.733	9.34
33) M	Carbon Tetrachlo...	0.639	0.556	0.660	0.618	8.96
34) M	Benzene	1.836	1.599	1.946	1.794	9.89
35)	Methacrylonitrile	0.405	0.251	0.325	0.327	23.53
36) M	1,2-Dichloroethane	0.778	0.647	0.766	0.730	9.95
37) M	Trichloroethene	0.438	0.356	0.426	0.407	10.86
38)	Methylcyclohexane	0.572	0.506	0.695	0.591	16.30
39) M	1,2-Dichloropropane	0.527	0.441	0.548	0.506	11.18
40)	Dibromomethane	0.335	0.283	0.339	0.319	9.68
41) M	Bromodichloromet...	0.718	0.624	0.746	0.696	9.19
42) M	Vinyl Acetate	1.168	1.267	1.615	1.350	17.42
43)	Ethyl Acetate	0.864	0.608	0.785	0.752	17.37
44)	Isopropyl Acetate	1.191	1.042	1.296	1.176	10.84
45) T	1,4-Dioxane	0.007	0.006	0.007	0.006#	10.51
46)	Methyl methacrylate	0.506	0.470	0.636	0.537	16.25
47)	n-amyl Acetate	0.030	0.263	0.730	0.341	104.49
48) M	t-1,3-Dichloropr...	0.675	0.605	0.750	0.677	10.69
49) T	cis-1,3-Dichloro...	0.699	0.646	0.816	0.720	12.08
50) M	1,1,2-Trichloroe...	0.448	0.382	0.462	0.431	9.87
51)	Ethyl methacrylate	0.488	0.481	0.677	0.549	20.28
52)	1,3-Dichloropropane	0.749	0.654	0.810	0.738	10.63
53) M	Dibromochloromet...	0.481	0.414	0.513	0.469	10.80
54) M	1,2-Dibromoethane	0.431	0.380	0.458	0.423	9.33
55) M	2-Chloroethyl vi...	0.037	0.046	0.070	0.051	33.72
56) M	Bromoform	0.294	0.269	0.350	0.305	13.66

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		-----ISTD-----				
57) I	Chlorobenzene-d5					
58) M	4-Methyl-2-Penta...	0.708	0.623	0.796	0.709	12.15
59) M	2-Hexanone	0.433	0.405	0.541	0.460	15.74
60) S	4-Bromofluoroben...	0.410	0.457	0.503	0.457	10.18
61) M	Tetrachloroethene	0.405	0.320	0.377	0.367	11.89
62) M	Toluene	1.914	1.633	2.011	1.853	10.61
63) S	Toluene-d8	1.444	1.437	1.431	1.438	0.44
64) M	Chlorobenzene	1.134	0.941	1.146	1.074	10.73
65)	1,1,1,2-Tetrachl...	0.486	0.385	0.456	0.442	11.76
66) M	Ethyl Benzene	1.818	1.639	2.227	1.895	15.90
67) M	m/p-Xylenes	0.666	0.624	0.829	0.706	15.31
68) M	o-Xylene	0.597	0.586	0.757	0.647	14.88
69) M	Styrene	0.932	0.971	1.321	1.074	19.94
70)	Isopropylbenzene	1.487	1.524	2.127	1.713	20.99
71) M	1,1,2,2-Tetrachl...	0.654	0.561	0.718	0.644	12.22
72)	1,2,3-Trichlorop...	0.638	0.510	0.657	0.602	13.29
73)	Bromobenzene	0.407	0.375	0.478	0.420	12.53
74)	n-propylbenzene	1.702	1.790	2.586	2.026	24.04
75)	2-Chlorotoluene	1.166	1.130	1.510	1.269	16.56
76)	1,3,5-Trimethylb...	1.255	1.290	1.806	1.450	21.26
77)	t-1,4-Dichloro-2...	0.095	0.130	0.185	0.136	33.30
78)	4-Chlorotoluene	0.934	1.077	1.537	1.183	26.67
79)	tert-butylbenzene	1.056	1.059	1.459	1.192	19.46
80)	1,2,4-Trimethylb...	1.098	1.224	1.780	1.367	26.53
81)	sec-Butylbenzene	1.388	1.420	2.074	1.627	23.77
82)	p-Isopropyltoluene	1.073	1.208	1.796	1.359	28.31
83) M	1,3-Dichlorobenzene	0.671	0.644	0.888	0.734	18.25
84) M	1,4-Dichlorobenzene	0.879	0.565	0.832	0.758	22.29
85)	n-Butylbenzene	1.070	0.962	1.575	1.202	27.23
86) T	Hexachloroethane	0.339	0.275	0.369	0.328	14.64
87) M	1,2-Dichlorobenzene	0.658	0.636	0.859	0.718	17.16
88)	1,2-Dibromo-3-Ch...	0.134	0.103	0.121	0.119	13.37
89)	1,2,4-Trichlorob...	0.457	0.336	0.469	0.421	17.44
90)	Hexachlorobutadiene	0.250	0.196	0.268	0.238	15.62
91) M	Naphthalene	1.325	0.841	1.216	1.128	22.52
92)	1,2,3-Trichlorob...	0.439	0.332	0.449	0.407	15.99

(#) = Out of Range