

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N070121W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Thu Jul 01 12:09:22 2021
 Response Via : Initial Calibration

Calibration Files

5 =VN067587.D 20 =VN067588.D 50 =VN067589.D 100 =VN067590.D 150 =VN067591.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.921	1.735	1.893	1.909	1.832	1.858	4.13
3) M	Chloromethane	2.571	2.328	2.327	2.084	1.871	2.236	11.94
4) M	Vinyl Chloride	4.058	3.615	3.648	3.308	2.971	3.520	11.55
5) M	Bromomethane	3.718	2.792	2.866	2.691	2.130	2.839	20.07
6) M	Chloroethane	3.348	2.713	2.659	2.272	1.986	2.596	19.85
7) M	Trichlorofluorom...	8.482	7.192	6.783	5.887	5.209	6.711	18.71
8) T	Diethyl Ether	1.362	1.584	2.105	1.920	1.758	1.746	16.52
9)	1,1,2-Trichlorot...	1.750	1.414	1.472	1.401	1.349	1.477	10.75
10) M	1,1-Dichloroethene	1.701	1.396	1.437	1.390	1.365	1.458	9.50
11)	Methyl Iodide	1.739	1.810	2.038	2.086	2.031	1.941	8.00
12)	Methyl Acetate	1.878	1.818	1.932	1.946	1.779	1.870	3.85
13) M	Acrolein	0.297	0.249	0.264	0.268	0.242	0.264	8.09
14) M	Acrylonitrile	0.888	0.809	0.880	0.909	0.859	0.869	4.40
15) M	Acetone	0.224	0.193	0.204	0.203	0.194	0.204	6.09
16) M	Carbon Disulfide	4.532	3.980	4.170	4.200	4.052	4.187	5.07
17)	Allyl chloride	2.751	2.434	2.620	2.601	2.445	2.570	5.16
18) M	Methylene Chloride	2.247	1.788	1.846	1.851	1.724	1.891	10.87
19) M	trans-1,2-Dichlo...	1.821	1.639	1.727	1.781	1.796	1.753	4.14
20) T	Diisopropyl ether	6.341	5.617	6.562	6.638	5.922	6.216	7.01
21) M	1,1-Dichloroethane	3.589	3.235	3.404	3.303	3.068	3.320	5.85
22) M	cis-1,2-Dichloro...	2.284	2.018	2.194	2.142	2.080	2.143	4.79
23) M	tert-Butyl Alcohol	0.391	0.290	0.329	0.331	0.312	0.331	11.32
24) M	Methyl tert-Buty...	6.252	5.697	6.107	6.413	6.153	6.125	4.34
25) M	Chloroform	3.822	3.570	3.910	3.808	3.599	3.742	3.99
26)	Cyclohexane	3.172	2.868	3.146	2.989	2.822	2.999	5.28
27) s	1,2-Dichloroetha...	2.572	2.563	2.511	2.284	2.192	2.424	7.20
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.432	0.427	0.498	0.512	0.481	0.470	8.25
30) M	2-Butanone	0.196	0.192	0.224	0.240	0.220	0.215	9.33
31)	2,2-Dichloropropane	0.501	0.450	0.508	0.533	0.509	0.500	6.12
32) M	1,1,1-Trichloroe...	0.547	0.527	0.613	0.640	0.619	0.589	8.34
33) M	Carbon Tetrachlo...	0.438	0.440	0.516	0.564	0.538	0.499	11.50
34) M	Benzene	1.386	1.293	1.487	1.605	1.476	1.449	8.07
35)	Methacrylonitrile	0.220	0.202	0.248	0.266	0.231	0.233	10.53
36) M	1,2-Dichloroethane	0.524	0.483	0.556	0.579	0.524	0.533	6.85
37) M	Trichloroethene	0.351	0.330	0.378	0.382	0.373	0.363	6.04
38)	Methylcyclohexane	0.527	0.468	0.539	0.553	0.526	0.523	6.22
39) M	1,2-Dichloropropane	0.359	0.335	0.372	0.385	0.360	0.362	5.13
40)	Dibromomethane	0.250	0.238	0.277	0.298	0.278	0.268	9.04
41) M	Bromodichloromet...	0.476	0.459	0.543	0.574	0.548	0.520	9.59
42) M	Vinyl Acetate	0.850	0.820	0.972	1.077	0.979	0.940	11.14
43)	Ethyl Acetate	0.442	0.418	0.477	0.514	0.477	0.466	7.93
44)	Isopropyl Acetate	0.766	0.741	0.869	0.918	0.830	0.825	8.84
45) T	1,4-Dioxane	0.006	0.005	0.007	0.008	0.007	0.006#	12.79
46)	Methyl methacrylate	0.313	0.317	0.372	0.399	0.366	0.353	10.52
47)	n-amyl Acetate	0.546	0.580	0.764	0.820	0.760	0.694	17.63
48) M	t-1,3-Dichloropr...	0.455	0.467	0.596	0.665	0.614	0.559	16.65
49) T	cis-1,3-Dichloro...	0.510	0.511	0.612	0.684	0.632	0.590	13.07
50) M	1,1,2-Trichloroe...	0.344	0.329	0.394	0.434	0.392	0.379	11.17
51)	Ethyl methacrylate	0.506	0.495	0.625	0.710	0.646	0.596	15.61
52)	1,3-Dichloropropane	0.584	0.552	0.649	0.708	0.634	0.625	9.66
53) M	Dibromochloromet...	0.331	0.336	0.423	0.499	0.450	0.408	17.87
54) M	1,2-Dibromoethane	0.342	0.335	0.416	0.465	0.417	0.395	13.95
55) M	2-Chloroethyl vi...	0.102	0.092	0.130	0.155	0.155	0.127	23.03
56) M	Bromoform	0.197	0.214	0.306	0.366	0.336	0.284	26.29

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.505	0.479	0.546	0.559	0.522	0.522	6.08
59) M	2-Hexanone	0.333	0.332	0.388	0.396	0.369	0.364	8.26
60) S	4-Bromofluoroben...	0.447	0.483	0.516	0.499	0.496	0.488	5.33
61) M	Tetrachloroethene	0.402	0.351	0.368	0.374	0.352	0.370	5.58
62) M	Toluene	1.788	1.611	1.813	1.852	1.758	1.765	5.23
63) S	Toluene-d8	1.428	1.400	1.366	1.337	1.332	1.373	3.00
64) M	Chlorobenzene	1.010	0.935	1.069	1.129	1.085	1.046	7.21
65)	1,1,1,2-Tetrachl...	0.342	0.347	0.410	0.434	0.415	0.390	10.82
66) M	Ethyl Benzene	1.857	1.775	2.034	2.085	1.973	1.945	6.55
67) M	m/p-Xylenes	0.705	0.683	0.815	0.807	0.764	0.755	7.86
68) M	o-Xylene	0.709	0.678	0.806	0.800	0.769	0.752	7.54
69) M	Styrene	1.060	1.075	1.362	1.362	1.318	1.235	12.52
70)	Isopropylbenzene	1.759	1.702	2.120	2.072	1.968	1.924	9.67
71) M	1,1,2,2-Tetrachl...	0.511	0.505	0.592	0.597	0.563	0.553	7.91
72)	1,2,3-Trichlorop...	0.444	0.467	0.568	0.449	0.480	0.482	10.47
73)	Bromobenzene	0.387	0.382	0.470	0.484	0.458	0.436	10.97
74)	n-propylbenzene	1.986	1.947	2.413	2.333	2.197	2.175	9.47
75)	2-Chlorotoluene	1.177	1.188	1.450	1.398	1.325	1.308	9.36
76)	1,3,5-Trimethylb...	1.410	1.437	1.776	1.708	1.615	1.589	10.18
77)	t-1,4-Dichloro-2...	0.114	0.121	0.178	0.193	0.184	0.158	23.64
78)	4-Chlorotoluene	1.130	1.158	1.456	1.412	1.348	1.301	11.43
79)	tert-butylbenzene	1.191	1.193	1.485	1.447	1.367	1.337	10.37
80)	1,2,4-Trimethylb...	1.370	1.398	1.755	1.693	1.611	1.565	11.07
81)	sec-Butylbenzene	1.672	1.649	2.036	1.969	1.864	1.838	9.44
82)	p-Isopropyltoluene	1.309	1.324	1.675	1.647	1.579	1.507	11.77
83) M	1,3-Dichlorobenzene	0.699	0.692	0.900	0.892	0.865	0.810	12.95
84) M	1,4-Dichlorobenzene	0.641	0.680	0.874	0.871	0.855	0.784	14.55
85)	n-Butylbenzene	1.106	1.083	1.364	1.360	1.315	1.245	11.21
86) T	Hexachloroethane	0.205	0.215	0.282	0.298	0.285	0.257	16.94
87) M	1,2-Dichlorobenzene	0.658	0.665	0.886	0.855	0.837	0.780	14.06
88)	1,2-Dibromo-3-Ch...	0.077	0.089	0.109	0.113	0.108	0.099	15.82
89)	1,2,4-Trichlorob...	0.251	0.281	0.354	0.396	0.398	0.336	20.02
90)	Hexachlorobutadiene	0.155	0.137	0.159	0.168	0.159	0.156	7.48
91) M	Naphthalene	0.646	0.813	1.126	1.285	1.304	1.035	28.31
92)	1,2,3-Trichlorob...	0.236	0.268	0.335	0.379	0.383	0.320	20.68

(#) = Out of Range