

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N092821W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Wed Sep 29 08:56:32 2021
 Response Via : Initial Calibration

Calibration Files

5 =VN068720.D 20 =VN068722.D 50 =VN068723.D 100 =VN068724.D 150 =VN068725.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.775	1.444	1.210	1.137	1.085	1.330	21.35
3) M	Chloromethane	2.261	1.837	1.630	1.479	1.305	1.703	21.65
4) M	Vinyl Chloride	4.263	3.490	3.266	2.918	2.659	3.319	18.57
5) M	Bromomethane	4.382	3.187	2.855	2.463		3.222	25.71
6) M	Chloroethane	3.613	2.898	2.615	2.354	2.011	2.698	22.50
7) M	Trichlorofluorom...	3.383	3.004	2.647	2.435	2.375	2.769	15.26
8) T	Diethyl Ether	1.098	0.988	0.934	0.867	0.853	0.948	10.52
9)	1,1,2-Trichlorot...	1.931	1.703	1.545	1.446	1.390	1.603	13.62
10) M	1,1-Dichloroethene	1.768	1.560	1.423	1.335	1.310	1.479	12.74
11)	Methyl Iodide	1.678	1.811	1.761	1.828	1.843	1.784	3.76
12)	Methyl Acetate	2.880	2.720	2.497	2.388	2.289	2.555	9.48
13) M	Acrolein	0.165	0.111	0.090	0.084	0.087	0.107	31.49
14) M	Acrylonitrile	0.896	0.843	0.798	0.790	0.776	0.820	5.97
15) M	Acetone	0.257	0.261	0.214	0.211	0.194	0.227	13.16
16) M	Carbon Disulfide	4.608	4.232	3.827	3.728	3.636	4.006	10.14
17)	Allyl chloride	2.470	2.497	2.308	2.279	2.199	2.351	5.45
18) M	Methylene Chloride	2.283	1.947	1.772	1.680	1.609	1.858	14.48
19) M	trans-1,2-Dichlo...	1.910	1.823	1.694	1.670	1.646	1.749	6.48
20) T	Diisopropyl ether	5.601	5.664	5.447	5.431	5.184	5.465	3.40
21) M	1,1-Dichloroethane	3.513	3.298	3.128	3.030	2.896	3.173	7.56
22) M	cis-1,2-Dichloro...	2.323	2.135	2.092	2.069	2.020	2.128	5.49
23) M	tert-Butyl Alcohol	0.305	0.318	0.302	0.299	0.298	0.304	2.70
24) M	Methyl tert-Buty...	6.105	5.960	5.728	5.720	5.542	5.811	3.82
25) M	Chloroform	4.132	3.835	3.734	3.579	3.424	3.741	7.18
26)	Cyclohexane	2.904	2.818	2.785	2.730	2.572	2.762	4.47
27) s	1,2-Dichloroetha...	2.422	2.462	2.366	2.247	2.065	2.312	6.93
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.499	0.452	0.474	0.472	0.486	0.477	3.65
30) M	2-Butanone	0.214	0.213	0.209	0.216	0.218	0.214	1.56
31)	2,2-Dichloropropane	0.542	0.530	0.531	0.560	0.577	0.548	3.67
32) M	1,1,1-Trichloroe...	0.620	0.592	0.609	0.610	0.623	0.611	2.02
33) M	Carbon Tetrachlo...	0.536	0.515	0.546	0.555	0.563	0.543	3.41
34) M	Benzene	1.470	1.374	1.398	1.399	1.431	1.414	2.63
35)	Methacrylonitrile	0.216	0.217	0.214	0.211	0.215	0.215	1.07
36) M	1,2-Dichloroethane	0.564	0.517	0.524	0.523	0.519	0.529	3.68
37) M	Trichloroethene	0.385	0.365	0.368	0.369	0.382	0.374	2.45
38)	Methylcyclohexane	0.577	0.564	0.591	0.598	0.620	0.590	3.62
39) M	1,2-Dichloropropane	0.364	0.342	0.345	0.347	0.353	0.350	2.47
40)	Dibromomethane	0.289	0.262	0.274	0.274	0.282	0.277	3.63
41) M	Bromodichloromet...	0.549	0.513	0.543	0.546	0.559	0.542	3.16
42) M	Vinyl Acetate	0.759	0.759	0.786	0.822	0.839	0.793	4.59
43)	Ethyl Acetate	0.459	0.387	0.421	0.432	0.441	0.428	6.19
44)	Isopropyl Acetate	0.769	0.747	0.782	0.785	0.794	0.775	2.36
45) T	1,4-Dioxane	0.006	0.006	0.006	0.006	0.007	0.006#	3.96
46)	Methyl methacrylate	0.317	0.313	0.337	0.368	0.380	0.343	8.81
47)	n-amyl Acetate	0.497	0.606	0.708	0.753	0.720	0.657	15.97
48) M	t-1,3-Dichloropr...	0.537	0.551	0.588	0.621	0.647	0.589	7.81
49) T	cis-1,3-Dichloro...	0.565	0.572	0.602	0.623	0.650	0.602	5.91
50) M	1,1,2-Trichloroe...	0.381	0.367	0.376	0.389	0.403	0.383	3.46
51)	Ethyl methacrylate	0.508	0.530	0.582	0.617	0.648	0.577	10.10
52)	1,3-Dichloropropane	0.628	0.591	0.618	0.622	0.642	0.620	2.99
53) M	Dibromochloromet...	0.401	0.397	0.433	0.459	0.486	0.435	8.77
54) M	1,2-Dibromoethane	0.377	0.389	0.400	0.413	0.431	0.402	5.20
55) M	2-Chloroethyl vi...	0.138	0.143	0.160	0.176	0.188	0.161	13.36
56) M	Bromoform	0.254	0.276	0.311	0.357	0.371	0.314	16.11

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.509	0.491	0.511	0.508	0.513	0.506	1.71
59) M	2-Hexanone	0.360	0.369	0.375	0.377	0.363	0.369	2.07
60) S	4-Bromofluoroben...	0.411	0.441	0.486	0.512	0.494	0.469	8.92
61) M	Tetrachloroethene	0.384	0.343	0.346	0.338	0.347	0.352	5.19
62) M	Toluene	1.925	1.753	1.759	1.768	1.763	1.794	4.10
63) S	Toluene-d8	1.418	1.375	1.352	1.332	1.303	1.356	3.23
64) M	Chlorobenzene	1.136	1.054	1.074	1.104	1.135	1.101	3.30
65)	1,1,1,2-Tetrachl...	0.428	0.411	0.416	0.436	0.444	0.427	3.19
66) M	Ethyl Benzene	1.960	1.925	2.036	2.080	2.105	2.021	3.80
67) M	m/p-Xylenes	0.730	0.736	0.794	0.816	0.826	0.780	5.76
68) M	o-Xylene	0.721	0.717	0.774	0.804	0.826	0.768	6.32
69) M	Styrene	1.090	1.163	1.303	1.384	1.400	1.268	10.79
70)	Isopropylbenzene	1.872	1.904	2.081	2.169	2.160	2.037	6.91
71) M	1,1,2,2-Tetrachl...	0.593	0.553	0.591	0.596	0.537	0.574	4.74
72)	1,2,3-Trichlorop...	0.466	0.464	0.482	0.487	0.426	0.465	5.17
73)	Bromobenzene	0.413	0.422	0.469	0.498	0.504	0.461	9.10
74)	n-propylbenzene	2.067	2.194	2.435	2.506	2.477	2.336	8.33
75)	2-Chlorotoluene	1.251	1.274	1.420	1.448	1.423	1.363	6.83
76)	1,3,5-Trimethylb...	1.489	1.592	1.772	1.797	1.762	1.682	8.05
77)	t-1,4-Dichloro-2...	0.149	0.164	0.188	0.208	0.197	0.181	13.27
78)	4-Chlorotoluene	1.189	1.259	1.421	1.461	1.421	1.350	8.81
79)	tert-butylbenzene	1.297	1.354	1.528	1.582	1.581	1.469	9.10
80)	1,2,4-Trimethylb...	1.450	1.567	1.771	1.805	1.745	1.668	9.15
81)	sec-Butylbenzene	1.822	1.937	2.229	2.288	2.252	2.105	10.05
82)	p-Isopropyltoluene	1.420	1.580	1.860	1.943	1.917	1.744	13.28
83) M	1,3-Dichlorobenzene	0.729	0.774	0.915	0.946	0.914	0.856	11.37
84) M	1,4-Dichlorobenzene	0.694	0.750	0.864	0.901	0.860	0.814	10.74
85)	n-Butylbenzene	1.126	1.302	1.537	1.618	1.590	1.435	14.83
86) T	Hexachloroethane	0.292	0.298	0.342	0.356	0.353	0.328	9.34
87) M	1,2-Dichlorobenzene	0.703	0.732	0.844	0.858	0.818	0.791	8.80
88)	1,2-Dibromo-3-Ch...	0.090	0.103	0.109	0.107	0.104	0.103	7.38
89)	1,2,4-Trichlorob...	0.301	0.363	0.397	0.434	0.448	0.389	15.23
90)	Hexachlorobutadiene	0.193	0.186	0.196	0.197	0.196	0.194	2.40
91) M	Naphthalene	0.760	1.141	1.140	1.222	1.222	1.097	17.56
92)	1,2,3-Trichlorob...	0.297	0.370	0.378	0.405	0.413	0.373	12.25

(#) = Out of Range