

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N121321W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue Dec 14 00:59:04 2021
 Response Via : Initial Calibration

Calibration Files

5 =VN070025.D 20 =VN070026.D 50 =VN070027.D 100 =VN070028.D 150 =VN070029.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.779	2.197	2.246	2.377	2.286	2.177	10.65
3) M	Chloromethane	2.374	2.469	2.486	2.613	2.526	2.494	3.49
4) M	Vinyl Chloride	2.236	2.262	2.371	2.477	2.386	2.346	4.19
5) M	Bromomethane	1.269	1.240	1.275	1.314	1.315	1.283	2.49
6) M	Chloroethane	1.304	1.314	1.374	1.415	1.328	1.347	3.45
7) M	Trichlorofluorom...	2.977	3.013	3.073	3.183	3.070	3.063	2.55
8) T	Diethyl Ether	1.212	1.142	1.206	1.269	1.249	1.216	4.01
9)	1,1,2-Trichlorot...	1.780	1.752	1.787	1.874	1.803	1.799	2.55
10) M	1,1-Dichloroethene	1.655	1.646	1.710	1.795	1.751	1.711	3.71
11)	Methyl Iodide	2.119	2.292	2.445	2.605	2.514	2.395	8.02
12)	Methyl Acetate	3.928	3.848	4.276	4.535	4.491	4.216	7.50
13) M	Acrolein	0.360	0.303	0.325	0.355	0.364	0.341	7.77
14) M	Acrylonitrile	1.126	1.107	1.240	1.326	1.287	1.217	8.00
15) M	Acetone	0.373	0.467	0.478	0.464	0.426	0.442	9.75
16) M	Carbon Disulfide	5.022	4.965	5.140	5.414	5.243	5.157	3.48
17)	Allyl chloride	3.561	3.582	3.870	4.156	4.076	3.849	7.12
18) M	Methylene Chloride	2.119	1.953	2.032	2.145	2.066	2.063	3.67
19) M	trans-1,2-Dichlo...	1.755	1.744	1.822	1.915	1.853	1.818	3.88
20) T	Diisopropyl ether	6.827	6.924	7.463	7.898	7.746	7.372	6.52
21) M	1,1-Dichloroethane	3.768	3.663	3.898	4.108	3.993	3.886	4.54
22) M	cis-1,2-Dichloro...	2.071	2.015	2.146	2.295	2.231	2.152	5.29
23) M	tert-Butyl Alcohol	0.395	0.318	0.368	0.406	0.436	0.385	11.58
24) M	Methyl tert-Buty...	5.453	5.633	6.172	6.598	6.532	6.077	8.53
25) M	Chloroform	3.856	3.666	3.834	4.034	3.914	3.861	3.47
26)	Cyclohexane	3.344	3.390	3.650	3.848	3.753	3.597	6.17
27) s	1,2-Dichloroetha...	2.651	2.650	2.654	2.691	2.647	2.659	0.70
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.497	0.498	0.512	0.539	0.537	0.517	3.98
30) M	2-Butanone	0.309	0.342	0.375	0.381	0.370	0.355	8.42
31)	2,2-Dichloropropane	0.502	0.498	0.535	0.580	0.585	0.540	7.70
32) M	1,1,1-Trichloroe...	0.580	0.560	0.596	0.627	0.629	0.598	4.95
33) M	Carbon Tetrachlo...	0.517	0.507	0.531	0.554	0.550	0.532	3.81
34) M	Benzene	1.511	1.459	1.532	1.572	1.562	1.527	2.96
35)	Methacrylonitrile	0.304	0.289	0.332	0.359	0.360	0.329	9.71
36) M	1,2-Dichloroethane	0.598	0.573	0.605	0.618	0.620	0.603	3.18
37) M	Trichloroethene	0.354	0.342	0.362	0.380	0.379	0.363	4.48
38)	Methylcyclohexane	0.570	0.576	0.618	0.658	0.648	0.614	6.55
39) M	1,2-Dichloropropane	0.394	0.386	0.409	0.425	0.422	0.407	4.21
40)	Dibromomethane	0.264	0.258	0.268	0.277	0.276	0.269	2.95
41) M	Bromodichloromet...	0.556	0.540	0.567	0.590	0.587	0.568	3.70
42) M	Vinyl Acetate	0.918	0.955	1.064	1.142	1.141	1.044	9.94
43)	Ethyl Acetate	0.544	0.549	0.641	0.674	0.678	0.617	10.73
44)	Isopropyl Acetate	0.870	0.896	1.001	1.094	1.107	0.994	11.00
45) T	1,4-Dioxane	0.006	0.007	0.007	0.007	0.008	0.007#	9.89
46)	Methyl methacrylate	0.374	0.433	0.471	0.549	0.527	0.471	15.07
47)	n-amyl Acetate	0.454	0.553	0.718	0.855	0.885	0.693	27.02
48) M	t-1,3-Dichloropr...	0.479	0.506	0.579	0.638	0.654	0.571	13.55
49) T	cis-1,3-Dichloro...	0.550	0.562	0.624	0.677	0.687	0.620	10.25
50) M	1,1,2-Trichloroe...	0.351	0.345	0.363	0.383	0.382	0.365	4.83
51)	Ethyl methacrylate	0.461	0.502	0.596	0.666	0.692	0.583	17.19
52)	1,3-Dichloropropane	0.616	0.614	0.645	0.678	0.679	0.646	4.96
53) M	Dibromochloromet...	0.386	0.381	0.414	0.435	0.435	0.410	6.40
54) M	1,2-Dibromoethane	0.335	0.339	0.373	0.406	0.407	0.372	9.37
55) M	2-Chloroethyl vi...	0.074	0.093	0.112	0.132	0.161	0.114	29.75
56) M	Bromoform	0.281	0.279	0.314	0.339	0.349	0.312	10.27

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.622	0.652	0.709	0.744	0.715	0.689	7.27
59) M	2-Hexanone	0.419	0.483	0.534	0.561	0.548	0.509	11.42
60) S	4-Bromofluoroben...	0.462	0.484	0.496	0.507	0.520	0.494	4.51
61) M	Tetrachloroethene	0.372	0.352	0.342	0.350	0.336	0.350	3.93
62) M	Toluene	1.783	1.732	1.748	1.806	1.753	1.764	1.68
63) S	Toluene-d8	1.427	1.432	1.380	1.358	1.335	1.386	3.08
64) M	Chlorobenzene	1.033	1.007	1.028	1.090	1.078	1.047	3.35
65)	1,1,1,2-Tetrachl...	0.380	0.382	0.395	0.413	0.402	0.394	3.49
66) M	Ethyl Benzene	1.843	1.906	1.968	2.070	2.021	1.961	4.59
67) M	m/p-Xylenes	0.663	0.698	0.719	0.758	0.744	0.717	5.27
68) M	o-Xylene	0.649	0.686	0.709	0.755	0.746	0.709	6.17
69) M	Styrene	0.993	1.099	1.168	1.256	1.262	1.156	9.78
70)	Isopropylbenzene	1.674	1.784	1.866	1.998	1.979	1.860	7.28
71) M	1,1,2,2-Tetrachl...	0.597	0.591	0.610	0.640	0.613	0.610	3.12
72)	1,2,3-Trichlorop...	0.558	0.575	0.574	0.590	0.542	0.568	3.23
73)	Bromobenzene	0.401	0.412	0.426	0.460	0.461	0.432	6.41
74)	n-propylbenzene	1.868	2.048	2.175	2.353	2.337	2.156	9.46
75)	2-Chlorotoluene	1.203	1.259	1.311	1.411	1.413	1.319	7.02
76)	1,3,5-Trimethylb...	1.363	1.466	1.535	1.650	1.628	1.528	7.73
77)	t-1,4-Dichloro-2...	0.133	0.152	0.181	0.211	0.216	0.179	20.29
78)	4-Chlorotoluene	1.090	1.197	1.264	1.382	1.393	1.265	10.10
79)	tert-butylbenzene	1.209	1.245	1.326	1.429	1.424	1.326	7.57
80)	1,2,4-Trimethylb...	1.294	1.428	1.488	1.603	1.577	1.478	8.42
81)	sec-Butylbenzene	1.588	1.732	1.867	2.041	2.027	1.851	10.48
82)	p-Isopropyltoluene	1.200	1.397	1.495	1.646	1.635	1.475	12.55
83) M	1,3-Dichlorobenzene	0.637	0.694	0.736	0.801	0.783	0.730	9.18
84) M	1,4-Dichlorobenzene	0.592	0.659	0.711	0.782	0.768	0.702	11.22
85)	n-Butylbenzene	0.914	1.100	1.246	1.449	1.451	1.232	18.75
86) T	Hexachloroethane	0.269	0.268	0.295	0.321	0.318	0.294	8.69
87) M	1,2-Dichlorobenzene	0.622	0.677	0.710	0.764	0.735	0.701	7.79
88)	1,2-Dibromo-3-Ch...	0.097	0.102	0.119	0.133	0.132	0.117	14.48
89)	1,2,4-Trichlorob...	0.210	0.290	0.338	0.395	0.399	0.326	24.25
90)	Hexachlorobutadiene	0.182	0.193	0.199	0.207	0.191	0.194	4.92
91) M	Naphthalene	0.428	0.662	0.884	1.101	1.159	0.847	36.07
92)	1,2,3-Trichlorob...	0.193	0.278	0.321	0.372	0.377	0.308	24.76

(#) = Out of Range