

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N071421W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Wed Jul 14 01:19:19 2021
 Response Via : Initial Calibration

Calibration Files

5 =VN067719.D 20 =VN067720.D 50 =VN067721.D 100 =VN067722.D 150 =VN067723.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.707	1.438	1.480	1.540	1.500	1.533	6.79
3) M	Chloromethane	2.360	1.918	1.839	1.807	1.651	1.915	13.93
4) M	Vinyl Chloride	3.701	2.991	2.926	2.798	2.479	2.979	15.08
5) M	Bromomethane	3.324	2.555	2.340	2.289	1.895	2.480	21.30
6) M	Chloroethane	2.860	2.317	2.238	1.988	1.690	2.218	19.58
7) M	Trichlorofluorom...	6.945	5.799	5.481	4.986	4.428	5.528	17.13
8) T	Diethyl Ether	1.182	1.006	1.039	0.981	0.933	1.028	9.19
9)	1,1,2-Trichlorot...	1.865	1.533	1.501	1.498	1.459	1.571	10.58
10) M	1,1-Dichloroethene	1.680	1.396	1.387	1.415	1.398	1.455	8.65
11)	Methyl Iodide	1.961	1.717	1.881	2.044	2.017	1.924	6.83
12)	Methyl Acetate	2.405	1.860	1.921	1.908	1.838	1.986	11.90
13) M	Acrolein	0.292	0.188	0.189	0.190	0.182	0.208	22.48
14) M	Acrylonitrile	0.936	0.808	0.867	0.894	0.863	0.873	5.35
15) M	Acetone	0.267	0.206	0.206	0.205	0.198	0.217	13.21
16) M	Carbon Disulfide	4.402	3.508	3.677	3.842	3.785	3.843	8.78
17)	Allyl chloride	2.795	2.433	2.522	2.579	2.475	2.561	5.53
18) M	Methylene Chloride	2.909	1.850	1.779	1.806	1.726	2.014	24.94
19) M	trans-1,2-Dichlo...	1.924	1.603	1.668	1.773	1.708	1.735	7.04
20) T	Diisopropyl ether	6.448	5.643	6.176	6.321	5.728	6.063	5.92
21) M	1,1-Dichloroethane	3.797	3.169	3.298	3.311	3.103	3.336	8.17
22) M	cis-1,2-Dichloro...	2.393	1.950	2.127	2.181	2.054	2.141	7.72
23) M	tert-Butyl Alcohol	0.362	0.310	0.311	0.317	0.311	0.322	6.93
24) M	Methyl tert-Buty...	6.559	5.635	5.873	6.150	5.826	6.009	5.97
25) M	Chloroform	4.117	3.512	3.741	3.741	3.446	3.712	7.08
26)	Cyclohexane	3.267	2.696	2.898	2.950	2.720	2.906	7.91
27) s	1,2-Dichloroetha...	2.694	2.657	2.464	2.260	2.043	2.424	11.32
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.482	0.421	0.461	0.495	0.494	0.471	6.53
30) M	2-Butanone	0.224	0.192	0.213	0.229	0.232	0.218	7.35
31)	2,2-Dichloropropane	0.528	0.463	0.515	0.561	0.559	0.525	7.64
32) M	1,1,1-Trichloroe...	0.595	0.508	0.567	0.611	0.608	0.578	7.40
33) M	Carbon Tetrachlo...	0.485	0.426	0.493	0.533	0.532	0.494	8.90
34) M	Benzene	1.425	1.262	1.388	1.483	1.477	1.407	6.39
35)	Methacrylonitrile	0.235	0.179	0.222	0.241	0.243	0.224	11.74
36) M	1,2-Dichloroethane	0.555	0.496	0.515	0.532	0.521	0.524	4.17
37) M	Trichloroethene	0.375	0.323	0.355	0.388	0.386	0.366	7.41
38)	Methylcyclohexane	0.535	0.462	0.511	0.551	0.546	0.521	6.99
39) M	1,2-Dichloropropane	0.372	0.321	0.351	0.377	0.373	0.359	6.58
40)	Dibromomethane	0.255	0.230	0.255	0.277	0.273	0.258	7.14
41) M	Bromodichloromet...	0.482	0.448	0.507	0.551	0.545	0.506	8.53
42) M	Vinyl Acetate	0.767	0.708	0.887	0.990	0.984	0.867	14.61
43)	Ethyl Acetate	0.427	0.375	0.443	0.483	0.477	0.441	9.93
44)	Isopropyl Acetate	0.810	0.703	0.796	0.845	0.847	0.800	7.30
45) T	1,4-Dioxane	0.006	0.005	0.006	0.007	0.007	0.006#	8.57
46)	Methyl methacrylate	0.334	0.300	0.343	0.374	0.377	0.345	9.17
47)	n-amyl Acetate	0.543	0.548	0.687	0.752	0.754	0.657	16.01
48) M	t-1,3-Dichloropr...	0.463	0.459	0.561	0.622	0.625	0.546	14.95
49) T	cis-1,3-Dichloro...	0.529	0.496	0.579	0.644	0.648	0.579	11.74
50) M	1,1,2-Trichloroe...	0.364	0.318	0.365	0.397	0.397	0.368	8.78
51)	Ethyl methacrylate	0.494	0.488	0.585	0.647	0.648	0.573	13.72
52)	1,3-Dichloropropane	0.592	0.539	0.614	0.654	0.645	0.609	7.57
53) M	Dibromochloromet...	0.311	0.312	0.400	0.449	0.455	0.385	18.34
54) M	1,2-Dibromoethane	0.354	0.328	0.387	0.415	0.416	0.380	10.15
55) M	2-Chloroethyl vi...	0.085	0.088	0.108	0.133	0.140	0.111	22.86
56) M	Bromoform	0.186	0.198	0.275	0.344	0.347	0.270	28.63

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.526	0.457	0.515	0.545	0.532	0.515	6.60
59) M	2-Hexanone	0.362	0.316	0.366	0.386	0.376	0.361	7.43
60) S	4-Bromofluoroben...	0.457	0.483	0.500	0.510	0.487	0.487	4.12
61) M	Tetrachloroethene	0.402	0.324	0.361	0.381	0.374	0.369	7.81
62) M	Toluene	1.917	1.576	1.730	1.821	1.779	1.765	7.13
63) S	Toluene-d8	1.435	1.388	1.380	1.357	1.339	1.380	2.66
64) M	Chlorobenzene	1.079	0.927	1.037	1.122	1.119	1.057	7.62
65)	1,1,1,2-Tetrachl...	0.363	0.328	0.394	0.431	0.431	0.389	11.45
66) M	Ethyl Benzene	1.963	1.726	1.954	2.080	2.039	1.953	7.02
67) M	m/p-Xylenes	0.723	0.656	0.752	0.807	0.786	0.745	7.96
68) M	o-Xylene	0.708	0.641	0.740	0.804	0.783	0.735	8.80
69) M	Styrene	1.078	1.053	1.243	1.371	1.334	1.216	11.96
70)	Isopropylbenzene	1.777	1.668	1.934	2.096	2.011	1.897	9.16
71) M	1,1,2,2-Tetrachl...	0.505	0.476	0.552	0.587	0.574	0.539	8.74
72)	1,2,3-Trichlorop...	0.418	0.432	0.439	0.494	0.455	0.448	6.53
73)	Bromobenzene	0.394	0.362	0.436	0.499	0.489	0.436	13.62
74)	n-propylbenzene	2.030	1.934	2.228	2.393	2.285	2.174	8.65
75)	2-Chlorotoluene	1.251	1.163	1.331	1.420	1.359	1.305	7.65
76)	1,3,5-Trimethylb...	1.430	1.385	1.612	1.728	1.655	1.562	9.47
77)	t-1,4-Dichloro-2...	0.105	0.118	0.160	0.188	0.185	0.151	25.20
78)	4-Chlorotoluene	1.201	1.168	1.339	1.423	1.373	1.301	8.53
79)	tert-butylbenzene	1.214	1.174	1.377	1.485	1.456	1.341	10.49
80)	1,2,4-Trimethylb...	1.406	1.372	1.594	1.724	1.660	1.551	10.04
81)	sec-Butylbenzene	1.682	1.663	1.917	2.061	1.979	1.860	9.62
82)	p-Isopropyltoluene	1.327	1.329	1.597	1.769	1.721	1.548	13.63
83) M	1,3-Dichlorobenzene	0.691	0.687	0.842	0.940	0.912	0.814	14.72
84) M	1,4-Dichlorobenzene	0.676	0.673	0.821	0.913	0.884	0.793	14.32
85)	n-Butylbenzene	1.151	1.108	1.298	1.451	1.416	1.285	11.94
86) T	Hexachloroethane	0.201	0.210	0.267	0.305	0.305	0.258	19.32
87) M	1,2-Dichlorobenzene	0.679	0.662	0.810	0.887	0.851	0.777	13.08
88)	1,2-Dibromo-3-Ch...	0.084	0.082	0.102	0.106	0.108	0.096	12.75
89)	1,2,4-Trichlorob...	0.263	0.275	0.355	0.420	0.459	0.354	24.37
90)	Hexachlorobutadiene	0.157	0.152	0.173	0.184	0.186	0.170	9.02
91) M	Naphthalene	0.768	0.744	1.018	1.211	1.295	1.007	24.87
92)	1,2,3-Trichlorob...	0.268	0.263	0.338	0.397	0.433	0.340	22.40

(#) = Out of Range