

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N082824W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Wed Aug 28 12:23:16 2024
 Response Via : Initial Calibration

Calibration Files

5 =VN083528.D 20 =VN083527.D 50 =VN083526.D 100 =VN083525.D 150 =VN083524.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.888	1.842	2.068	2.240	2.035	2.015	7.86
3) M	Chloromethane	2.227	1.873	2.053	2.201	2.004	2.072	7.03
4) M	Vinyl Chloride	2.261	1.984	2.171	2.342	2.119	2.175	6.30
5) M	Bromomethane	1.234	0.942	1.033	1.088	1.002	1.060	10.44
6) M	Chloroethane	1.568	1.342	1.378	1.479	1.358	1.425	6.73
7) M	Trichlorofluorom...	3.716	3.289	3.597	3.834	3.540	3.595	5.70
8) T	Diethyl Ether	1.271	1.156	1.253	1.372	1.263	1.263	6.05
9)	1,1,2-Trichlorot...	2.022	1.796	1.973	2.148	1.994	1.987	6.37
10) M	1,1-Dichloroethene	1.963	1.700	1.862	2.029	1.850	1.881	6.65
11)	Methyl Iodide	2.565	2.401	2.602	2.805	2.570	2.588	5.57
12)	Methyl Acetate	3.255	3.062	3.203	3.459	3.160	3.228	4.56
13) M	Acrolein	0.362	0.286	0.269	0.333	0.307	0.311	11.90
14) M	Acrylonitrile	0.994	0.916	0.998	1.098	1.006	1.002	6.48
15) M	Acetone	0.254	0.254	0.295	0.342	0.338	0.297	14.51
16) M	Carbon Disulfide	5.592	4.564	4.970	5.349	4.860	5.067	8.02
17)	Allyl chloride	3.631	3.091	3.441	3.769	3.431	3.472	7.36
18) M	Methylene Chloride	2.186	1.865	2.086	2.234	2.058	2.086	6.84
19) M	trans-1,2-Dichlo...	2.030	1.764	1.929	2.078	1.892	1.939	6.35
20) T	Diisopropyl ether	6.656	6.091	6.908	7.419	6.690	6.753	7.10
21) M	1,1-Dichloroethane	3.818	3.496	3.793	4.153	3.802	3.813	6.11
22) M	cis-1,2-Dichloro...	2.439	2.187	2.412	2.580	2.372	2.398	5.90
23) M	tert-Butyl Alcohol	0.436	0.401	0.426	0.447	0.406	0.423	4.63
24) M	Methyl tert-Buty...	6.930	6.365	7.015	7.542	6.973	6.965	5.99
25) M	Chloroform	4.073	3.701	4.034	4.396	4.007	4.042	6.10
26)	Cyclohexane	3.299	2.993	3.341	3.609	3.330	3.314	6.60
27) s	1,2-Dichloroetha...	2.703	2.625	2.681	2.782	2.691	2.696	2.09
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.484	0.433	0.463	0.494	0.479	0.471	5.05
30) M	2-Butanone	0.243	0.219	0.234	0.258	0.254	0.241	6.47
31)	2,2-Dichloropropane	0.587	0.561	0.609	0.659	0.635	0.610	6.33
32) M	1,1,1-Trichloroe...	0.615	0.589	0.633	0.669	0.639	0.629	4.73
33) M	Carbon Tetrachlo...	0.549	0.500	0.551	0.584	0.554	0.548	5.47
34) M	Benzene	1.461	1.314	1.405	1.518	1.443	1.428	5.32
35)	Methacrylonitrile	0.289	0.256	0.275	0.292	0.285	0.279	5.24
36) M	1,2-Dichloroethane	0.544	0.500	0.532	0.556	0.531	0.533	3.96
37) M	Trichloroethene	0.361	0.310	0.330	0.356	0.336	0.338	6.07
38)	Methylcyclohexane	0.557	0.528	0.576	0.620	0.604	0.577	6.36
39) M	1,2-Dichloropropane	0.352	0.326	0.343	0.365	0.350	0.347	4.06
40)	Dibromomethane	0.256	0.233	0.247	0.262	0.248	0.249	4.43
41) M	Bromodichloromet...	0.521	0.503	0.538	0.579	0.551	0.539	5.38
42) M	Vinyl Acetate	1.202	1.094	1.171	1.257	1.201	1.185	5.02
43)	Ethyl Acetate	0.478	0.387	0.491	0.492	0.471	0.464	9.50
44)	Isopropyl Acetate	1.649	1.059	0.932	0.950	0.888	1.096	28.83
45) T	1,4-Dioxane	0.008	0.007	0.007	0.007	0.007	0.007	7.21
46)	Methyl methacrylate	0.406	0.372	0.407	0.432	0.406	0.405	5.27
47)	n-amyl Acetate	0.731	0.670	0.754	0.829	0.787	0.754	7.96
48) M	t-1,3-Dichloropr...	0.571	0.522	0.565	0.615	0.584	0.571	5.88
49) T	cis-1,3-Dichloro...	0.603	0.547	0.584	0.634	0.609	0.596	5.43
50) M	1,1,2-Trichloroe...	0.343	0.311	0.333	0.353	0.330	0.334	4.65
51)	Ethyl methacrylate	0.583	0.533	0.574	0.628	0.596	0.583	5.93
52)	1,3-Dichloropropane	0.589	0.549	0.580	0.617	0.582	0.583	4.13
53) M	Dibromochloromet...	0.377	0.362	0.394	0.423	0.401	0.391	5.92
54) M	1,2-Dibromoethane	0.347	0.317	0.344	0.362	0.342	0.342	4.74
55) M	2-Chloroethyl vi...	0.256	0.248	0.218	0.246	0.271	0.248	7.88
56) M	Bromoform	0.242	0.237	0.256	0.277	0.265	0.256	6.45

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57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Penta...	0.548	0.504	0.533	0.556	0.520	0.532	3.92
59) M	2-Hexanone	0.410	0.378	0.408	0.431	0.412	0.408	4.69
60) S	4-Bromofluoroben...	0.509	0.524	0.526	0.540	0.556	0.531	3.39
61) M	Tetrachloroethene	0.343	0.293	0.313	0.334	0.311	0.319	6.22
62) M	Toluene	1.845	1.593	1.712	1.825	1.702	1.735	5.90
63) S	Toluene-d8	1.420	1.390	1.367	1.375	1.374	1.385	1.52
64) M	Chlorobenzene	1.130	1.002	1.073	1.124	1.046	1.075	4.99
65)	1,1,1,2-Tetrachl...	0.402	0.356	0.378	0.404	0.373	0.383	5.30
66) M	Ethyl Benzene	1.958	1.778	1.985	2.099	1.968	1.958	5.90
67) M	m/p-Xylenes	0.722	0.664	0.731	0.779	0.732	0.726	5.61
68) M	o-Xylene	0.713	0.657	0.717	0.770	0.705	0.713	5.64
69) M	Styrene	1.224	1.113	1.221	1.300	1.207	1.213	5.52
70)	Isopropylbenzene	1.845	1.736	1.917	2.018	1.895	1.882	5.49
71) M	1,1,2,2-Tetrachl...	0.571	0.513	0.548	0.583	0.534	0.550	5.11
72)	1,2,3-Trichlorop...	0.527	0.453	0.408	0.513	0.472	0.475	10.09
73)	Bromobenzene	0.446	0.397	0.424	0.448	0.415	0.426	5.06
74)	n-propylbenzene	2.137	1.958	2.236	2.357	2.215	2.181	6.75
75)	2-Chlorotoluene	1.477	1.281	1.405	1.456	1.358	1.396	5.65
76)	1,3,5-Trimethylb...	1.535	1.436	1.603	1.696	1.586	1.571	6.09
77)	t-1,4-Dichloro-2...	0.190	0.183	0.210	0.230	0.217	0.206	9.29
78)	4-Chlorotoluene	1.475	1.270	1.356	1.463	1.364	1.385	6.13
79)	tert-butylbenzene	1.423	1.302	1.430	1.495	1.387	1.407	5.01
80)	1,2,4-Trimethylb...	1.609	1.453	1.626	1.707	1.614	1.602	5.75
81)	sec-Butylbenzene	1.815	1.701	1.930	2.080	1.946	1.894	7.57
82)	p-Isopropyltoluene	1.527	1.440	1.635	1.756	1.661	1.604	7.65
83) M	1,3-Dichlorobenzene	0.889	0.768	0.819	0.866	0.818	0.832	5.68
84) M	1,4-Dichlorobenzene	0.903	0.765	0.823	0.877	0.811	0.836	6.59
85)	n-Butylbenzene	1.383	1.252	1.412	1.556	1.503	1.421	8.27
86) T	Hexachloroethane	0.304	0.287	0.315	0.344	0.320	0.314	6.67
87) M	1,2-Dichlorobenzene	0.833	0.746	0.825	0.883	0.808	0.819	6.05
88)	1,2-Dibromo-3-Ch...	0.119	0.122	0.131	0.133	0.125	0.126	4.76
89)	1,2,4-Trichlorob...	0.461	0.402	0.452	0.485	0.446	0.449	6.73
90)	Hexachlorobutadiene	0.194	0.171	0.191	0.208	0.190	0.191	6.96
91) M	Naphthalene	1.552	1.436	1.577	1.672	1.524	1.552	5.50
92)	1,2,3-Trichlorob...	0.461	0.402	0.452	0.485	0.446	0.449	6.73

(#) = Out of Range