

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N120624W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Dec 06 22:50:42 2024
 Response Via : Initial Calibration

Calibration Files

5 =VN085117.D 20 =VN085118.D 50 =VN085119.D 100 =VN085120.D 150 =VN085121.D

	Compound	5	20	50	100	150	Avg	%RSD
1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	2.072	2.467	2.334	2.565	2.562	2.400	8.60
3) M	Chloromethane	2.058	2.093	2.013	2.202	2.256	2.124	4.77
4) M	Vinyl Chloride	2.171	2.147	2.026	2.258	2.263	2.173	4.46
5) M	Bromomethane	1.578	1.334	1.261	1.364	1.361	1.380	8.58
6) M	Chloroethane	1.331	1.302	1.259	1.382	1.401	1.335	4.35
7) M	Trichlorofluorom...	3.495	3.461	3.321	3.725	3.781	3.557	5.39
8) T	Diethyl Ether	0.973	1.048	1.090	1.254	1.268	1.127	11.54
9)	1,1,2-Trichlorot...	1.976	1.924	1.900	2.062	2.084	1.989	4.10
10) M	1,1-Dichloroethene	1.669	1.752	1.743	1.978	1.993	1.827	8.12
11)	Methyl Iodide	2.117	2.346	2.450	2.826	2.930	2.534	13.36
12)	Methyl Acetate	2.041	2.062	2.033	2.305	2.337	2.155	7.04
13) M	Acrolein	0.309	0.255	0.299	0.338	0.365	0.313	13.19
14) M	Acrylonitrile	0.809	0.837	0.858	0.977	0.994	0.895	9.44
15) M	Acetone	0.217	0.228	0.233	0.270	0.264	0.243	9.61
16) M	Carbon Disulfide	5.377	5.368	5.062	5.709	5.789	5.461	5.37
17)	Allyl chloride	2.340	2.399	2.527	2.903	2.903	2.614	10.40
18) M	Methylene Chloride	2.198	2.012	1.927	2.127	2.100	2.073	5.07
19) M	trans-1,2-Dichlo...	1.876	1.799	1.782	2.012	2.027	1.899	6.09
20) T	Diisopropyl ether	5.145	5.673	5.547	6.154	6.167	5.737	7.55
21) M	1,1-Dichloroethane	3.621	3.416	3.269	3.705	3.693	3.541	5.39
22) M	cis-1,2-Dichloro...	2.011	2.125	2.092	2.320	2.366	2.183	7.00
23) M	tert-Butyl Alcohol	0.280	0.294	0.296	0.365	0.371	0.321	13.45
24) M	Methyl tert-Buty...	4.744	5.454	5.524	6.311	6.507	5.708	12.48
25) M	Chloroform	3.779	3.635	3.508	3.813	3.814	3.710	3.63
26)	Cyclohexane	2.265	2.925	2.915	3.239	3.234	2.916	13.60
27) s	1,2-Dichloroetha...	2.462	2.393	2.263	2.370	2.414	2.380	3.10
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.458	0.482	0.468	0.506	0.506	0.484	4.49
30) M	2-Butanone	0.207	0.217	0.218	0.235	0.234	0.222	5.37
31)	2,2-Dichloropropane	0.624	0.608	0.602	0.636	0.634	0.621	2.51
32) M	1,1,1-Trichloroe...	0.683	0.665	0.619	0.657	0.652	0.655	3.60
33) M	Carbon Tetrachlo...	0.619	0.587	0.566	0.591	0.593	0.591	3.16
34) M	Benzene	1.581	1.501	1.456	1.543	1.523	1.521	3.09
35)	Methacrylonitrile	0.223	0.250	0.259	0.258	0.260	0.250	6.27
36) M	1,2-Dichloroethane	0.564	0.505	0.491	0.518	0.510	0.518	5.39
37) M	Trichloroethene	0.367	0.356	0.344	0.373	0.371	0.362	3.40
38)	Methylcyclohexane	0.453	0.481	0.526	0.579	0.593	0.526	11.51
39) M	1,2-Dichloropropane	0.388	0.370	0.351	0.366	0.368	0.368	3.66
40)	Dibromomethane	0.274	0.266	0.253	0.263	0.264	0.264	2.84
41) M	Bromodichloromet...	0.596	0.554	0.541	0.565	0.568	0.565	3.61
42) M	Vinyl Acetate	0.638	0.747	0.796	0.861	0.845	0.777	11.56
43)	Ethyl Acetate	0.436	0.404	0.441	0.467	0.462	0.442	5.73
44)	Isopropyl Acetate	0.740	0.746	0.749	0.793	0.813	0.768	4.24
45) T	1,4-Dioxane	0.005	0.006	0.006	0.007	0.007	0.006	9.00
46)	Methyl methacrylate	0.299	0.343	0.346	0.382	0.388	0.352	10.10
47)	n-amyl Acetate	0.520	0.619	0.656	0.720	0.716	0.646	12.76
48) M	t-1,3-Dichloropr...	0.518	0.517	0.541	0.592	0.603	0.554	7.36
49) T	cis-1,3-Dichloro...	0.581	0.590	0.583	0.629	0.636	0.604	4.41
50) M	1,1,2-Trichloroe...	0.387	0.355	0.336	0.353	0.349	0.356	5.23
51)	Ethyl methacrylate	0.441	0.506	0.542	0.607	0.612	0.542	13.27
52)	1,3-Dichloropropane	0.598	0.585	0.582	0.607	0.606	0.596	1.96
53) M	Dibromochloromet...	0.455	0.426	0.413	0.438	0.438	0.434	3.66
54) M	1,2-Dibromoethane	0.358	0.348	0.348	0.371	0.369	0.359	3.14
55) M	2-Chloroethyl vi...	0.200	0.247	0.258	0.284	0.269	0.252	12.73
56) M	Bromoform	0.294	0.275	0.282	0.301	0.302	0.291	4.06

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57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Penta...	0.431	0.494	0.483	0.524	0.516	0.490	7.51
59) M	2-Hexanone	0.314	0.376	0.371	0.402	0.391	0.371	9.15
60) S	4-Bromofluoroben...	0.479	0.495	0.500	0.509	0.499	0.496	2.21
61) M	Tetrachloroethene	0.407	0.358	0.342	0.359	0.351	0.363	6.99
62) M	Toluene	1.780	1.713	1.680	1.799	1.777	1.750	2.88
63) S	Toluene-d8	1.462	1.443	1.392	1.372	1.367	1.407	3.05
64) M	Chlorobenzene	1.074	1.056	1.037	1.121	1.113	1.080	3.34
65)	1,1,1,2-Tetrachl...	0.432	0.384	0.384	0.413	0.404	0.403	5.03
66) M	Ethyl Benzene	1.626	1.739	1.845	2.032	2.041	1.857	9.77
67) M	m/p-Xylenes	0.601	0.713	0.706	0.775	0.775	0.714	10.00
68) M	o-Xylene	0.561	0.648	0.681	0.734	0.729	0.671	10.54
69) M	Styrene	0.892	1.097	1.164	1.270	1.266	1.138	13.68
70)	Isopropylbenzene	1.409	1.656	1.747	1.932	1.903	1.730	12.25
71) M	1,1,2,2-Tetrachl...	0.551	0.532	0.503	0.526	0.521	0.526	3.31
72)	1,2,3-Trichlorop...	0.582	0.533	0.473	0.510	0.502	0.520	7.87
73)	Bromobenzene	0.411	0.420	0.422	0.462	0.451	0.433	5.09
74)	n-propylbenzene	1.744	2.020	2.082	2.286	2.264	2.079	10.56
75)	2-Chlorotoluene	1.143	1.271	1.266	1.378	1.371	1.286	7.45
76)	1,3,5-Trimethylb...	1.241	1.441	1.488	1.630	1.609	1.482	10.57
77)	t-1,4-Dichloro-2...	0.159	0.179	0.184	0.212	0.212	0.189	11.96
78)	4-Chlorotoluene	1.212	1.262	1.274	1.399	1.378	1.305	6.13
79)	tert-butylbenzene	0.978	1.173	1.226	1.368	1.340	1.217	12.78
80)	1,2,4-Trimethylb...	1.151	1.429	1.499	1.644	1.596	1.464	13.23
81)	sec-Butylbenzene	1.421	1.669	1.727	1.927	1.901	1.729	11.83
82)	p-Isopropyltoluene	1.090	1.372	1.460	1.626	1.620	1.434	15.36
83) M	1,3-Dichlorobenzene	0.779	0.765	0.772	0.842	0.816	0.795	4.10
84) M	1,4-Dichlorobenzene	0.725	0.742	0.759	0.829	0.818	0.775	6.00
85)	n-Butylbenzene	0.903	1.085	1.230	1.399	1.395	1.203	17.63
86) T	Hexachloroethane	0.273	0.275	0.271	0.304	0.304	0.285	6.00
87) M	1,2-Dichlorobenzene	0.743	0.721	0.734	0.787	0.767	0.750	3.51
88)	1,2-Dibromo-3-Ch...	0.095	0.103	0.101	0.112	0.116	0.105	8.00
89)	1,2,4-Trichlorob...	0.280	0.342	0.364	0.421	0.431	0.367	16.83
90)	Hexachlorobutadiene	0.206	0.184	0.173	0.196	0.196	0.191	6.66
91) M	Naphthalene	0.704	0.971	1.176	1.410	1.447	1.142	27.26
92)	1,2,3-Trichlorob...	0.280	0.342	0.364	0.421	0.431	0.367	16.83

(#) = Out of Range