

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N121520W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue Dec 15 15:18:54 2020
 Response Via : Initial Calibration

Calibration Files

5 =VN064503.D 20 =VN065141.D 50 =VN064505.D 100 =VN064506.D 150 =VN064507.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.904	1.581	2.108	2.097	2.002	1.938	11.13
3) M	Chloromethane	2.293	1.862	2.381	2.382	2.268	2.237	9.65
4) M	Vinyl Chloride	2.514	1.895	2.564	2.584	2.472	2.406	12.00
5) M	Bromomethane	1.797	1.164	1.693	1.591	1.511	1.551	15.59
6) M	Chloroethane	1.546	1.017	1.635	1.592	1.522	1.463	17.28
7) M	Trichlorofluorom...	3.774	2.631	3.777	3.596	3.412	3.438	13.83
8) T	Diethyl Ether	1.333	0.937	1.342	1.315	1.221	1.230	13.88
9)	1,1,2-Trichlorot...	1.745	1.519	1.742	1.714	1.636	1.671	5.72
10) M	1,1-Dichloroethene	1.656	1.470	1.691	1.660	1.613	1.618	5.39
11)	Methyl Iodide	1.684	2.005	2.178	2.223	2.170	2.052	10.81
12)	Methyl Acetate	1.817	1.340	2.143	2.110	1.974	1.877	17.39
13) M	Acrolein	0.196	0.186	0.203	0.217	0.222	0.205	7.28
14) M	Acrylonitrile	0.826	0.665	0.947	0.948	0.905	0.858	13.83
15) M	Acetone	0.283	0.231	0.318	0.285	0.254	0.274	12.04
16) M	Carbon Disulfide	5.068	4.360	4.995	5.061	4.910	4.879	6.09
17)	Allyl chloride	2.740	1.922	3.236	3.296	3.201	2.879	20.11
18) M	Methylene Chloride	1.976	1.779	1.986	1.967	1.909	1.923	4.49
19) M	trans-1,2-Dichlo...	1.840	1.609	1.908	1.911	1.862	1.826	6.84
20) T	Diisopropyl ether	5.904	4.779	7.013	7.244	7.070	6.402	16.41
21) M	1,1-Dichloroethane	3.664	2.939	3.784	3.803	3.640	3.566	10.03
22) M	cis-1,2-Dichloro...	1.996	1.814	2.192	2.228	2.174	2.081	8.36
23) M	tert-Butyl Alcohol	0.268	0.199	0.338	0.323	0.294	0.285	19.18
24) M	Methyl tert-Buty...	5.167	4.338	6.148	6.224	6.013	5.578	14.56
25) M	Chloroform	3.730	3.001	4.018	3.973	3.812	3.707	11.10
26)	Cyclohexane	2.420	2.323	2.983	3.115	3.042	2.777	13.48
27) s	1,2-Dichloroetha...	2.711	1.968	2.781	2.568	2.503	2.506	12.79
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.489	0.431	0.533	0.549	0.554	0.511	10.11
30) M	2-Butanone	0.239	0.173	0.277	0.272	0.255	0.243	17.19
31)	2,2-Dichloropropane	0.605	0.469	0.639	0.648	0.628	0.598	12.33
32) M	1,1,1-Trichloroe...	0.625	0.507	0.659	0.663	0.656	0.622	10.65
33) M	Carbon Tetrachlo...	0.569	0.460	0.581	0.596	0.580	0.557	9.87
34) M	Benzene	1.465	1.353	1.538	1.592	1.574	1.504	6.49
35)	Methacrylonitrile	0.199	0.175	0.268	0.283	0.258	0.237	19.89
36) M	1,2-Dichloroethane	0.648	0.443	0.628	0.627	0.611	0.591	14.22
37) M	Trichloroethene	0.389	0.363	0.387	0.394	0.396	0.386	3.49
38)	Methylcyclohexane	0.424	0.469	0.480	0.517	0.519	0.482	8.14
39) M	1,2-Dichloropropane	0.390	0.350	0.416	0.426	0.421	0.401	7.89
40)	Dibromomethane	0.263	0.230	0.284	0.285	0.282	0.269	8.69
41) M	Bromodichloromet...	0.579	0.455	0.603	0.623	0.608	0.574	11.86
42) M	Vinyl Acetate	0.918	0.727	1.102	1.138	1.081	0.993	17.22
43)	Ethyl Acetate	0.480	0.364	0.546	0.544	0.528	0.492	15.54
44)	Isopropyl Acetate	0.810	0.567	0.911	0.935	0.923	0.829	18.65
45) T	1,4-Dioxane	0.006	0.005	0.007	0.006	0.006	0.006#	11.76
46)	Methyl methacrylate	0.389	0.261	0.452	0.486	0.459	0.409	21.98
47)	n-amyl Acetate	0.549	0.443	0.814	0.879	0.878	0.713	28.46
48) M	t-1,3-Dichloropr...	0.551	0.469	0.648	0.692	0.691	0.610	15.99
49) T	cis-1,3-Dichloro...	0.609	0.530	0.674	0.716	0.714	0.649	12.16
50) M	1,1,2-Trichloroe...	0.372	0.326	0.387	0.394	0.384	0.373	7.27
51)	Ethyl methacrylate	0.416	0.413	0.575	0.622	0.620	0.529	20.11
52)	1,3-Dichloropropane	0.620	0.535	0.659	0.686	0.683	0.637	9.88
53) M	Dibromochloromet...	0.396	0.362	0.442	0.462	0.462	0.425	10.47
54) M	1,2-Dibromoethane	0.351	0.333	0.406	0.416	0.408	0.383	9.92
55) M	2-Chloroethyl vi...	0.226	0.207	0.299	0.315	0.311	0.272	18.74

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56) M	Bromoform	0.243	0.251	0.293	0.311	0.312	0.282	11.69
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Penta...	0.508	0.375	0.602	0.594	0.549	0.526	17.50
59) M	2-Hexanone	0.363	0.262	0.459	0.451	0.422	0.391	20.84
60) S	4-Bromofluoroben...	0.477	0.448	0.528	0.523	0.533	0.502	7.45
61) M	Tetrachloroethene	0.395	0.416	0.376	0.379	0.377	0.389	4.34
62) M	Toluene	1.742	1.545	1.800	1.850	1.815	1.750	6.94
63) S	Toluene-d8	1.425	1.393	1.391	1.377	1.372	1.392	1.48
64) M	Chlorobenzene	1.006	0.948	1.068	1.109	1.111	1.048	6.71
65) M	1,1,1,2-Tetrachl...	0.394	0.358	0.415	0.437	0.429	0.407	7.74
66) M	Ethyl Benzene	1.728	1.590	1.992	2.088	2.039	1.887	11.50
67) M	m/p-Xylenes	0.606	0.620	0.734	0.768	0.776	0.701	11.68
68) M	o-Xylene	0.566	0.586	0.694	0.737	0.738	0.664	12.46
69) M	Styrene	0.894	0.953	1.222	1.288	1.303	1.132	17.15
70) M	Isopropylbenzene	1.454	1.541	1.850	1.935	1.914	1.739	12.92
71) M	1,1,2,2-Tetrachl...	0.522	0.451	0.584	0.593	0.586	0.547	11.06
72) M	1,2,3-Trichlorop...	0.564	0.427	0.562	0.564	0.614	0.546	12.85
73) M	Bromobenzene	0.403	0.397	0.446	0.464	0.463	0.435	7.49
74) M	n-propylbenzene	1.758	1.742	2.182	2.273	2.215	2.034	12.85
75) M	2-Chlorotoluene	1.150	1.073	1.330	1.394	1.400	1.269	11.75
76) M	1,3,5-Trimethylb...	1.206	1.330	1.561	1.631	1.628	1.471	13.09
77) M	t-1,4-Dichloro-2...	0.164	0.144	0.218	0.229	0.230	0.197	20.42
78) M	4-Chlorotoluene	1.164	1.069	1.411	1.486	1.494	1.325	14.79
79) M	tert-butylbenzene	0.957	1.093	1.222	1.292	1.311	1.175	12.68
80) M	1,2,4-Trimethylb...	1.170	1.311	1.604	1.661	1.664	1.482	15.35
81) M	sec-Butylbenzene	1.271	1.408	1.612	1.705	1.699	1.539	12.49
82) M	p-Isopropyltoluene	1.058	1.268	1.449	1.554	1.572	1.380	15.72
83) M	1,3-Dichlorobenzene	0.649	0.673	0.794	0.836	0.851	0.761	12.33
84) M	1,4-Dichlorobenzene	0.643	0.653	0.793	0.836	0.849	0.755	13.23
85) M	n-Butylbenzene	0.939	1.020	1.245	1.359	1.394	1.191	17.05
86) T	Hexachloroethane	0.252	0.226	0.283	0.291	0.294	0.269	10.99
87) M	1,2-Dichlorobenzene	0.631	0.668	0.777	0.820	0.821	0.743	11.92
88) M	1,2-Dibromo-3-Ch...	0.107	0.075	0.132	0.131	0.128	0.114	21.31
89) M	1,2,4-Trichlorob...	0.238	0.268	0.362	0.399	0.414	0.336	23.53
90) M	Hexachlorobutadiene	0.180	0.182	0.165	0.172	0.171	0.174	4.06
91) M	Naphthalene	0.719	0.722	1.238	1.361	1.389	1.086	31.17
92) M	1,2,3-Trichlorob...	0.259	0.252	0.365	0.387	0.408	0.334	22.00

(#) = Out of Range