

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N103124W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Nov 01 02:38:04 2024
 Response Via : Initial Calibration

Calibration Files

5 =VN084613.D 20 =VN084614.D 50 =VN084615.D 100 =VN084616.D 150 =VN084617.D

	Compound	5	20	50	100	150	Avg	%RSD
1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.762	1.842	1.727	1.647	1.746	1.745	4.00
3) M	Chloromethane	2.294	2.180	1.987	1.942	2.100	2.101	6.81
4) M	Vinyl Chloride	1.987	2.059	1.937	1.841	1.929	1.951	4.13
5) M	Bromomethane	1.026	1.087	0.943	0.927	0.969	0.990	6.66
6) M	Chloroethane	1.361	1.345	1.305	1.162	1.231	1.281	6.50
7) M	Trichlorofluorom...	3.268	3.375	3.091	2.971	3.135	3.168	4.96
8) T	Diethyl Ether	1.000	1.165	1.128	1.145	1.212	1.130	7.00
9)	1,1,2-Trichlorot...	1.776	1.938	1.786	1.675	1.777	1.790	5.27
10) M	1,1-Dichloroethene	1.685	1.840	1.711	1.699	1.807	1.748	4.00
11)	Methyl Iodide	2.378	2.507	2.375	2.318	2.437	2.403	2.99
12)	Methyl Acetate	3.900	2.690	2.326	2.302	2.408	2.725	24.75
13) M	Acrolein	0.345	0.350	0.313	0.326	0.347	0.336	4.77
14) M	Acrylonitrile	0.838	0.902	0.889	0.892	0.937	0.892	3.97
15) M	Acetone	0.231	0.235	0.223	0.223	0.233	0.229	2.34
16) M	Carbon Disulfide	5.140	5.375	5.016	4.956	5.235	5.144	3.27
17)	Allyl chloride	2.858	3.101	2.786	2.986	3.164	2.979	5.34
18) M	Methylene Chloride	2.119	2.210	1.980	1.930	2.004	2.049	5.55
19) M	trans-1,2-Dichlo...	1.819	1.905	1.810	1.776	1.854	1.833	2.67
20) T	Diisopropyl ether	5.269	6.283	6.069	5.949	6.249	5.964	6.90
21) M	1,1-Dichloroethane	3.711	3.802	3.469	3.417	3.534	3.587	4.57
22) M	cis-1,2-Dichloro...	2.121	2.237	2.172	2.141	2.269	2.188	2.89
23) M	tert-Butyl Alcohol	0.374	0.310	0.274	0.285	0.313	0.311	12.41
24) M	Methyl tert-Buty...	4.972	5.809	5.618	5.772	6.099	5.654	7.41
25) M	Chloroform	3.764	3.915	3.598	3.469	3.627	3.675	4.64
26)	Cyclohexane	2.348	2.813	2.794	2.761	2.982	2.740	8.58
27) s	1,2-Dichloroetha...	2.444	2.473	2.377	2.353	2.413	2.412	2.02
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.428	0.467	0.452	0.452	0.461	0.452	3.31
30) M	2-Butanone	0.206	0.207	0.207	0.210	0.213	0.208	1.26
31)	2,2-Dichloropropane	0.563	0.584	0.548	0.528	0.535	0.552	4.06
32) M	1,1,1-Trichloroe...	0.631	0.645	0.604	0.593	0.595	0.614	3.80
33) M	Carbon Tetrachlo...	0.545	0.536	0.517	0.504	0.517	0.524	3.16
34) M	Benzene	1.549	1.525	1.476	1.460	1.458	1.494	2.75
35)	Methacrylonitrile	0.240	0.246	0.234	0.256	0.258	0.247	4.17
36) M	1,2-Dichloroethane	0.521	0.521	0.488	0.469	0.484	0.497	4.71
37) M	Trichloroethene	0.340	0.350	0.331	0.325	0.338	0.337	2.76
38)	Methylcyclohexane	0.429	0.479	0.495	0.504	0.526	0.486	7.52
39) M	1,2-Dichloropropane	0.371	0.372	0.351	0.349	0.355	0.360	3.10
40)	Dibromomethane	0.257	0.262	0.247	0.246	0.245	0.252	3.04
41) M	Bromodichloromet...	0.566	0.547	0.526	0.526	0.531	0.539	3.22
42) M	Vinyl Acetate	0.692	0.782	0.788	0.809	0.824	0.779	6.59
43)	Ethyl Acetate	0.421	0.429	0.446	0.443	0.451	0.438	2.89
44)	Isopropyl Acetate	1.250	0.844	0.785	0.774	0.781	0.887	23.13
45) T	1,4-Dioxane	0.006	0.006	0.006	0.006	0.006	0.006	4.14
46)	Methyl methacrylate	0.332	0.349	0.356	0.369	0.376	0.356	4.92
47)	n-amyl Acetate	0.548	0.667	0.687	0.706	0.703	0.662	9.92
48) M	t-1,3-Dichloropr...	0.509	0.529	0.535	0.538	0.551	0.532	2.94
49) T	cis-1,3-Dichloro...	0.535	0.580	0.567	0.580	0.592	0.571	3.83
50) M	1,1,2-Trichloroe...	0.340	0.353	0.336	0.330	0.328	0.337	2.96
51)	Ethyl methacrylate	0.436	0.503	0.539	0.560	0.563	0.520	10.15
52)	1,3-Dichloropropane	0.582	0.610	0.586	0.577	0.573	0.586	2.46
53) M	Dibromochloromet...	0.378	0.400	0.401	0.397	0.398	0.395	2.47
54) M	1,2-Dibromoethane	0.334	0.357	0.337	0.339	0.339	0.341	2.63
55) M	2-Chloroethyl vi...	0.207	0.266	0.268	0.266	0.267	0.255	10.42
56) M	Bromoform	0.254	0.262	0.269	0.270	0.268	0.265	2.56

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57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Penta...	0.453	0.490	0.472	0.475	0.478	0.473	2.83
59) M	2-Hexanone	0.325	0.355	0.349	0.354	0.351	0.347	3.60
60) S	4-Bromofluoroben...	0.482	0.506	0.531	0.538	0.526	0.517	4.39
61) M	Tetrachloroethene	0.313	0.331	0.310	0.305	0.311	0.314	3.11
62) M	Toluene	1.732	1.781	1.675	1.658	1.698	1.709	2.87
63) S	Toluene-d8	1.451	1.442	1.416	1.393	1.398	1.420	1.81
64) M	Chlorobenzene	1.030	1.071	1.018	1.011	1.028	1.032	2.25
65)	1,1,1,2-Tetrachl...	0.383	0.398	0.380	0.366	0.368	0.379	3.36
66) M	Ethyl Benzene	1.596	1.824	1.829	1.836	1.894	1.796	6.42
67) M	m/p-Xylenes	0.615	0.710	0.706	0.695	0.712	0.687	5.98
68) M	o-Xylene	0.569	0.690	0.681	0.683	0.692	0.663	7.95
69) M	Styrene	0.911	1.136	1.179	1.154	1.180	1.112	10.22
70)	Isopropylbenzene	1.407	1.671	1.715	1.692	1.752	1.647	8.35
71) M	1,1,2,2-Tetrachl...	0.555	0.568	0.529	0.510	0.509	0.534	4.95
72)	1,2,3-Trichlorop...	0.460	0.527	0.429	0.429	0.434	0.456	9.11
73)	Bromobenzene	0.406	0.442	0.425	0.427	0.425	0.425	2.97
74)	n-propylbenzene	1.596	1.953	2.030	1.985	2.068	1.926	9.86
75)	2-Chlorotoluene	1.156	1.287	1.299	1.255	1.275	1.255	4.56
76)	1,3,5-Trimethylb...	1.193	1.438	1.480	1.442	1.485	1.408	8.64
77)	t-1,4-Dichloro-2...	0.152	0.191	0.193	0.196	0.203	0.187	10.86
78)	4-Chlorotoluene	1.151	1.299	1.301	1.280	1.306	1.268	5.18
79)	tert-butylbenzene	0.947	1.147	1.206	1.243	1.278	1.164	11.24
80)	1,2,4-Trimethylb...	1.129	1.449	1.513	1.494	1.515	1.420	11.60
81)	sec-Butylbenzene	1.290	1.605	1.691	1.689	1.744	1.604	11.37
82)	p-Isopropyltoluene	1.023	1.338	1.445	1.437	1.495	1.348	14.13
83) M	1,3-Dichlorobenzene	0.736	0.812	0.793	0.787	0.801	0.786	3.73
84) M	1,4-Dichlorobenzene	0.729	0.784	0.790	0.779	0.801	0.776	3.59
85)	n-Butylbenzene	0.852	1.069	1.186	1.237	1.316	1.132	15.96
86) T	Hexachloroethane	0.273	0.284	0.275	0.265	0.280	0.276	2.60
87) M	1,2-Dichlorobenzene	0.724	0.821	0.787	0.760	0.780	0.774	4.62
88)	1,2-Dibromo-3-Ch...	0.099	0.108	0.106	0.098	0.105	0.103	4.27
89)	1,2,4-Trichlorob...	0.308	0.383	0.381	0.390	0.424	0.377	11.21
90)	Hexachlorobutadiene	0.160	0.168	0.163	0.158	0.174	0.165	3.93
91) M	Naphthalene	0.839	1.126	1.272	1.338	1.445	1.204	19.47
92)	1,2,3-Trichlorob...	0.308	0.383	0.381	0.390	0.424	0.377	11.21

(#) = Out of Range