

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N101723W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Wed Oct 18 02:19:15 2023
 Response Via : Initial Calibration

Calibration Files

5 =VN079576.D 20 =VN079574.D 50 =VN079573.D 10 =VN079575.D 100 =VN079572.D

Compound		5	20	50	10	100	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	4.611	4.491	4.361	4.479	3.811	4.351	7.22
3) M	Chloromethane	6.442	5.784	5.412	5.917	4.639	5.639	11.88
4) M	Vinyl Chloride	6.705	6.208	5.886	6.310	5.319	6.086	8.52
5) M	Bromomethane	4.518	3.803	3.492	4.033	3.020	3.773	14.93
6) M	Chloroethane	5.078	4.363	3.866	4.489	3.621	4.283	13.27
7) M	Trichlorofluorom...	8.110	7.575	7.269	7.636	6.539	7.426	7.81
8) T	Diethyl Ether	2.787	2.762	2.737	2.699	2.472	2.691	4.72
9)	1,1,2-Trichlorot...	4.614	4.277	4.077	4.490	3.785	4.249	7.79
10) M	1,1-Dichloroethene	4.200	4.137	3.971	4.243	3.661	4.042	5.86
11)	Methyl Iodide	4.258	4.482	4.768	4.157	4.712	4.475	6.02
12)	Methyl Acetate	1.064	0.988	0.957	1.043	0.822	0.974	E1 9.80
13) M	Acrolein	0.975	0.820	0.769	0.736	0.729	0.806	12.55
14) M	Acrylonitrile	2.455	2.373	2.375	2.399	2.066	2.334	6.57
15) M	Acetone	0.768	0.767	0.751	0.756	0.654	0.739	6.53
16) M	Carbon Disulfide	1.360	1.244	1.180	1.285	1.095	1.233	E1 8.19
17)	Allyl chloride	6.553	6.627	6.262	6.088	5.631	6.232	6.42
18) M	Methylene Chloride	5.400	5.105	4.797	5.273	4.302	4.975	8.83
19) M	trans-1,2-Dichlo...	4.942	4.519	4.498	4.549	4.103	4.522	6.57
20) T	Diisopropyl ether	1.489	1.561	1.485	1.515	1.339	1.478	E1 5.64
21) M	1,1-Dichloroethane	9.502	9.290	8.800	9.348	7.960	8.980	6.99
22) M	cis-1,2-Dichloro...	5.272	5.332	5.238	5.376	4.826	5.209	4.24
23) M	tert-Butyl Alcohol	0.933	0.789	0.732	0.850	0.598	0.780	16.20
24) M	Methyl tert-Buty...	1.390	1.402	1.392	1.360	1.237	1.356	E1 5.03
25) M	Chloroform	9.748	9.337	8.855	9.361	8.066	9.074	7.12
26)	Cyclohexane	6.566	7.048	7.106	6.720	6.500	6.788	4.07
27) s	1,2-Dichloroetha...	4.407	4.417	4.169	4.281	4.053	4.265	3.66
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.904	0.855	0.890	0.892	0.843	0.877	2.96
30) M	2-Butanone	0.466	0.434	0.444	0.451	0.402	0.439	5.43
31)	2,2-Dichloropropane	1.055	0.955	0.986	1.025	0.922	0.988	5.35
32) M	1,1,1-Trichloroe...	1.144	1.016	1.023	1.078	0.949	1.042	6.99
33) M	Carbon Tetrachlo...	0.916	0.869	0.897	0.918	0.831	0.886	4.14
34) M	Benzene	2.887	2.575	2.643	2.749	2.464	2.664	6.09
35)	Methacrylonitrile	0.491	0.459	0.485	0.464	0.413	0.462	6.67
36) M	1,2-Dichloroethane	1.033	0.929	0.936	0.991	0.866	0.951	6.72
37) M	Trichloroethene	0.671	0.588	0.630	0.640	0.584	0.623	5.87
38)	Methylcyclohexane	0.843	0.815	0.898	0.799	0.866	0.844	4.66
39) M	1,2-Dichloropropane	0.739	0.683	0.705	0.735	0.653	0.703	5.14
40)	Dibromomethane	0.497	0.444	0.464	0.477	0.425	0.461	6.13
41) M	Bromodichloromet...	1.004	0.924	0.963	1.005	0.883	0.956	5.54
42) M	Vinyl Acetate	1.093	1.100	1.191	1.111	1.079	1.115	3.97
43)	Ethyl Acetate	0.850	0.794	0.914	0.796	0.778	0.826	6.76
44)	Isopropyl Acetate	1.670	1.374	1.467	1.526	1.307	1.469	9.54
45) T	1,4-Dioxane	0.012	0.012	0.012	0.012	0.011	0.011	5.02
46)	Methyl methacrylate	0.649	0.648	0.695	0.649	0.617	0.652	4.25
47)	n-amyl Acetate	0.912	1.059	1.208	0.981	1.140	1.060	11.23
48) M	t-1,3-Dichloropr...	0.951	0.951	1.021	0.946	0.964	0.966	3.23
49) T	cis-1,3-Dichloro...	1.049	1.030	1.119	1.055	1.030	1.057	3.47
50) M	1,1,2-Trichloroe...	0.688	0.617	0.633	0.674	0.587	0.640	6.43
51)	Ethyl methacrylate	0.792	0.885	0.972	0.858	0.908	0.883	7.50
52)	1,3-Dichloropropane	1.210	1.097	1.160	1.157	1.045	1.134	5.63
53) M	Dibromochloromet...	0.633	0.646	0.689	0.671	0.632	0.654	3.82
54) M	1,2-Dibromoethane	0.683	0.610	0.632	0.643	0.588	0.631	5.67
55) M	2-Chloroethyl vi...	0.269	0.313	0.361	0.284	0.456	0.337	22.38
56) M	Bromoform	0.428	0.424	0.458	0.421	0.433	0.433	3.39

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.704	0.714	0.717	0.730	0.634	0.700	5.40
59) M	2-Hexanone	0.518	0.522	0.538	0.515	0.474	0.513	4.64
60) S	4-Bromofluoroben...	0.484	0.561	0.573	0.525	0.600	0.549	8.24
61) M	Tetrachloroethene	0.423	0.415	0.406	0.444	0.371	0.412	6.51
62) M	Toluene	2.457	2.274	2.293	2.342	2.098	2.293	5.67
63) S	Toluene-d8	1.302	1.307	1.254	1.313	1.252	1.286	2.33
64) M	Chlorobenzene	1.415	1.306	1.333	1.365	1.230	1.330	5.18
65)	1,1,1,2-Tetrachl...	0.530	0.502	0.510	0.529	0.462	0.507	5.44
66) M	Ethyl Benzene	2.259	2.361	2.503	2.301	2.388	2.362	3.94
67) M	m/p-Xylenes	0.809	0.883	0.927	0.863	0.886	0.874	4.92
68) M	o-Xylene	0.779	0.831	0.895	0.816	0.855	0.835	5.20
69) M	Styrene	1.076	1.357	1.492	1.273	1.432	1.326	12.22
70)	Isopropylbenzene	1.929	2.154	2.312	2.108	2.215	2.144	6.63
71) M	1,1,2,2-Tetrachl...	0.821	0.760	0.765	0.785	0.680	0.762	6.76
72)	1,2,3-Trichlorop...	0.706	0.687	0.686	0.695	0.688	0.692	1.21
73)	Bromobenzene	0.482	0.512	0.528	0.494	0.501	0.504	3.45
74)	n-propylbenzene	2.179	2.513	2.741	2.381	2.664	2.496	9.01
75)	2-Chlorotoluene	1.462	1.563	1.650	1.522	1.560	1.551	4.44
76)	1,3,5-Trimethylb...	1.561	1.782	1.907	1.692	1.821	1.752	7.53
77)	t-1,4-Dichloro-2...	0.184	0.216	0.234	0.200	0.221	0.211	9.24
78)	4-Chlorotoluene	1.262	1.494	1.609	1.400	1.565	1.466	9.46
79)	tert-butylbenzene	1.297	1.396	1.530	1.366	1.455	1.409	6.28
80)	1,2,4-Trimethylb...	1.414	1.720	1.899	1.635	1.822	1.698	11.04
81)	sec-Butylbenzene	1.772	1.977	2.196	1.840	2.104	1.978	8.94
82)	p-Isopropyltoluene	1.278	1.582	1.766	1.465	1.753	1.569	13.08
83) M	1,3-Dichlorobenzene	0.680	0.839	0.936	0.775	0.911	0.828	12.58
84) M	1,4-Dichlorobenzene	0.657	0.792	0.894	0.739	0.887	0.794	12.66
85)	n-Butylbenzene	0.908	1.232	1.468	1.018	1.504	1.226	21.59
86) T	Hexachloroethane	0.336	0.328	0.357	0.341	0.334	0.339	3.21
87) M	1,2-Dichlorobenzene	0.691	0.858	0.913	0.783	0.871	0.823	10.66
88)	1,2-Dibromo-3-Ch...	0.108	0.122	0.127	0.112	0.112	0.116	6.68
89)	1,2,4-Trichlorob...	0.197	0.299	0.360	0.256	0.338	0.290	22.59
90)	Hexachlorobutadiene	0.215	0.207	0.211	0.198	0.196	0.205	3.98
91) M	Naphthalene	0.480	0.753	0.983	0.571	0.954	0.748	29.97
92)	1,2,3-Trichlorob...	0.197	0.299	0.360	0.256	0.338	0.290	22.59

(#) = Out of Range