

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N092722W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Wed Sep 28 07:48:31 2022
 Response Via : Initial Calibration

Calibration Files

5 =VN074622.D 20 =VN074623.D 50 =VN074624.D 100 =VN074625.D 150 =VN074626.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	2.136	1.817	1.679	1.606	1.577	1.763	12.95
3) M	Chloromethane	3.010	2.656	2.602	2.362	2.316	2.589	10.72
4) M	Vinyl Chloride	3.664	3.405	3.306	3.124	3.075	3.315	7.13
5) M	Bromomethane	2.689	2.437	2.316	1.658	1.582	2.136	22.99
6) M	Chloroethane	2.824	2.390	2.261	2.120	2.119	2.343	12.45
7) M	Trichlorofluorom...	3.550	3.182	3.026	2.847	2.788	3.079	9.93
8) T	Diethyl Ether	1.913	1.689	1.594	1.465	1.459	1.624	11.56
9)	1,1,2-Trichlorot...	2.381	1.977	1.929	1.818	1.763	1.974	12.31
10) M	1,1-Dichloroethene	2.442	2.108	1.952	1.843	1.830	2.035	12.45
11)	Methyl Iodide	2.598	2.632	2.690	2.495	2.616	2.607	2.73
12)	Methyl Acetate	4.702	4.455	4.398	4.136	4.094	4.357	5.72
13) M	Acrolein	0.360	0.341	0.375	0.340	0.357	0.355	4.14
14) M	Acrylonitrile	1.744	1.799	1.821	1.719	1.747	1.766	2.40
15) M	Acetone	0.494	0.475	0.482	0.426	0.442	0.464	6.13
16) M	Carbon Disulfide	6.491	5.722	5.643	5.365	5.377	5.719	8.03
17)	Allyl chloride	4.302	4.245	4.199	3.981	4.022	4.150	3.39
18) M	Methylene Chloride	2.931	2.710	2.550	2.392	2.388	2.594	8.87
19) M	trans-1,2-Dichlo...	2.672	2.269	2.241	2.137	2.181	2.300	9.32
20) T	Diisopropyl ether	9.677	9.069	9.154	8.708	8.780	9.078	4.23
21) M	1,1-Dichloroethane	4.792	4.695	4.693	4.371	4.371	4.584	4.33
22) M	cis-1,2-Dichloro...	3.223	2.800	2.764	2.568	2.520	2.775	10.03
23) M	tert-Butyl Alcohol	0.729	0.761	0.754	0.668	0.725	0.727	5.03
24) M	Methyl tert-Buty...	8.621	8.474	8.599	8.158	8.313	8.433	2.33
25) M	Chloroform	4.901	4.556	4.597	4.338	4.331	4.545	5.14
26)	Cyclohexane	4.584	4.252	4.164	3.880	3.732	4.122	8.07
27) s	1,2-Dichloroetha...	2.854	2.853	2.861	2.789	2.786	2.829	1.33
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.602	0.532	0.567	0.553	0.547	0.560	4.74
30) M	2-Butanone	0.429	0.426	0.441	0.420	0.422	0.428	1.91
31)	2,2-Dichloropropane	0.710	0.659	0.687	0.651	0.638	0.669	4.38
32) M	1,1,1-Trichloroe...	0.702	0.646	0.666	0.647	0.649	0.662	3.57
33) M	Carbon Tetrachlo...	0.577	0.533	0.567	0.553	0.538	0.554	3.44
34) M	Benzene	1.974	1.808	1.871	1.802	1.820	1.855	3.89
35)	Methacrylonitrile	0.401	0.395	0.415	0.406	0.417	0.407	2.27
36) M	1,2-Dichloroethane	0.616	0.574	0.618	0.608	0.613	0.606	2.99
37) M	Trichloroethene	0.404	0.391	0.397	0.392	0.385	0.394	1.83
38)	Methylcyclohexane	0.828	0.695	0.720	0.698	0.686	0.725	8.08
39) M	1,2-Dichloropropane	0.521	0.491	0.497	0.478	0.468	0.491	4.13
40)	Dibromomethane	0.322	0.307	0.325	0.314	0.316	0.317	2.27
41) M	Bromodichloromet...	0.654	0.608	0.636	0.628	0.623	0.630	2.72
42) M	Vinyl Acetate	1.379	1.359	1.438	1.398	1.374	1.390	2.18
43)	Ethyl Acetate	0.842	0.827	0.851	0.813	0.806	0.828	2.29
44)	Isopropyl Acetate	1.342	1.331	1.379	1.341	1.330	1.345	1.48
45) T	1,4-Dioxane	0.010	0.012	0.012	0.011	0.012	0.011	8.40
46)	Methyl methacrylate	0.547	0.548	0.570	0.566	0.569	0.560	2.09
47)	n-amyl Acetate	1.081	1.133	1.244	1.313	1.382	1.231	10.09
48) M	t-1,3-Dichloropr...	0.773	0.708	0.773	0.775	0.795	0.765	4.34
49) T	cis-1,3-Dichloro...	0.827	0.762	0.811	0.790	0.789	0.796	3.07
50) M	1,1,2-Trichloroe...	0.455	0.458	0.475	0.456	0.459	0.461	1.72
51)	Ethyl methacrylate	0.856	0.808	0.882	0.869	0.905	0.864	4.19
52)	1,3-Dichloropropane	0.851	0.793	0.832	0.807	0.800	0.817	2.98
53) M	Dibromochloromet...	0.467	0.453	0.509	0.498	0.508	0.487	5.29
54) M	1,2-Dibromoethane	0.471	0.456	0.493	0.485	0.479	0.477	2.94
55) M	2-Chloroethyl vi...	0.312	0.314	0.355	0.343	0.352	0.335	6.27
56) M	Bromoform	0.315	0.319	0.370	0.408	0.490	0.381	19.03

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.955	0.942	0.980	0.935	0.843	0.931	5.57
59) M	2-Hexanone	0.707	0.722	0.750	0.723	0.703	0.721	2.55
60) S	4-Bromofluoroben...	0.517	0.525	0.580	0.622	0.670	0.583	11.13
61) M	Tetrachloroethene	0.396	0.317	0.329	0.325	0.307	0.335	10.55
62) M	Toluene	2.292	2.086	2.164	2.217	2.225	2.197	3.50
63) S	Toluene-d8	1.727	1.674	1.713	1.691	1.656	1.692	1.69
64) M	Chlorobenzene	1.300	1.229	1.257	1.257	1.250	1.259	2.05
65)	1,1,1,2-Tetrachl...	0.485	0.459	0.473	0.474	0.473	0.473	1.94
66) M	Ethyl Benzene	2.414	2.282	2.352	2.323	2.293	2.333	2.27
67) M	m/p-Xylenes	0.923	0.847	0.926	0.989	0.998	0.937	6.52
68) M	o-Xylene	0.944	0.864	0.929	1.006	1.025	0.954	6.75
69) M	Styrene	1.405	1.399	1.573	1.807	1.838	1.604	13.17
70)	Isopropylbenzene	2.261	2.173	2.368	2.642	2.719	2.433	9.79
71) M	1,1,2,2-Tetrachl...	0.867	0.850	0.885	0.858	0.858	0.864	1.54
72)	1,2,3-Trichlorop...	0.611	0.604	0.684	0.684	0.686	0.654	6.47
73)	Bromobenzene	0.448	0.458	0.498	0.517	0.523	0.489	7.06
74)	n-propylbenzene	2.500	2.494	2.773	2.935	3.005	2.741	8.71
75)	2-Chlorotoluene	1.541	1.504	1.648	1.779	1.843	1.663	8.83
76)	1,3,5-Trimethylb...	1.819	1.775	2.008	2.331	2.324	2.051	13.00
77)	t-1,4-Dichloro-2...	0.296	0.308	0.341	0.366	0.382	0.339	10.86
78)	4-Chlorotoluene	1.418	1.415	1.650	1.914	1.935	1.667	15.27
79)	tert-butylbenzene	1.629	1.554	1.776	1.942	2.073	1.795	11.99
80)	1,2,4-Trimethylb...	1.790	1.722	2.029	2.315	2.275	2.026	13.38
81)	sec-Butylbenzene	2.216	2.217	2.472	2.901	2.897	2.541	13.51
82)	p-Isopropyltoluene	1.735	1.759	2.049	2.462	2.445	2.090	16.95
83) M	1,3-Dichlorobenzene	0.811	0.829	0.987	1.181	1.214	1.005	18.86
84) M	1,4-Dichlorobenzene	0.804	0.815	0.975	1.169	1.233	0.999	19.76
85)	n-Butylbenzene	1.539	1.463	1.740	2.023	2.151	1.783	16.75
86) T	Hexachloroethane	0.396	0.385	0.412	0.416	0.404	0.403	3.07
87) M	1,2-Dichlorobenzene	0.859	0.854	0.973	1.190	1.263	1.028	18.39
88)	1,2-Dibromo-3-Ch...	0.162	0.170	0.188	0.190	0.195	0.181	7.90
89)	1,2,4-Trichlorob...	0.366	0.383	0.441	0.466	0.486	0.429	12.15
90)	Hexachlorobutadiene	0.183	0.177	0.185	0.201	0.197	0.189	5.26
91) M	Naphthalene	1.384	1.627	1.905	1.956	2.118	1.798	16.21
92)	1,2,3-Trichlorob...	0.363	0.391	0.441	0.464	0.489	0.430	12.08

(#) = Out of Range