

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N102522W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Thu Oct 27 10:19:47 2022
 Response Via : Initial Calibration

Calibration Files

5 =VN075003.D 20 =VN075004.D 50 =VN075005.D 100 =VN075006.D 150 =VN075007.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.664	1.552	1.358	1.359	1.368	1.460	9.64
3) M	Chloromethane	2.381	2.270	1.869	1.644	1.441	1.921	20.88
4) M	Vinyl Chloride	3.713	3.114	2.916	2.506	2.276	2.905	19.25
5) M	Bromomethane	3.190	2.537	2.413	1.882	1.461	2.297	28.70
6) M	Chloroethane	2.938	2.477	2.180	1.881	1.728	2.241	21.61
7) M	Trichlorofluorom...	3.775	3.337	2.995	2.805	2.717	3.126	13.89
8) T	Diethyl Ether	1.566	1.353	1.260	1.150	1.098	1.285	14.41
9)	1,1,2-Trichlorot...	2.223	1.957	1.764	1.609	1.609	1.832	14.25
10) M	1,1-Dichloroethene	2.139	1.712	1.656	1.546	1.540	1.719	14.32
11)	Methyl Iodide	3.104	2.806	2.630	2.414	2.453	2.681	10.56
12)	Methyl Acetate	3.663	3.009	2.828	2.575	2.484	2.912	16.08
13) M	Acrolein	0.419	0.394	0.343	0.318	0.311	0.357	13.32
14) M	Acrylonitrile	1.368	1.246	1.195	1.116	1.089	1.203	9.27
15) M	Acetone	0.371	0.349	0.352	0.314	0.294	0.336	9.34
16) M	Carbon Disulfide	4.312	3.856	3.724	3.535	3.491	3.784	8.72
17)	Allyl chloride	2.479	2.464	2.332	2.153	2.087	2.303	7.73
18) M	Methylene Chloride	2.587	2.241	2.103	1.939	1.896	2.153	12.93
19) M	trans-1,2-Dichlo...	2.138	1.925	1.846	1.828	1.818	1.911	6.99
20) T	Diisopropyl ether	6.550	6.155	6.033	5.825	5.324	5.977	7.54
21) M	1,1-Dichloroethane	4.187	3.801	3.758	3.496	3.321	3.712	8.89
22) M	cis-1,2-Dichloro...	2.639	2.473	2.358	2.333	2.269	2.414	6.03
23) M	tert-Butyl Alcohol	0.674	0.550	0.531	0.529	0.501	0.557	12.14
24) M	Methyl tert-Buty...	7.749	7.096	6.968	6.798	6.538	7.030	6.44
25) M	Chloroform	4.456	4.100	4.193	3.976	3.781	4.101	6.12
26)	Cyclohexane	3.250	2.970	3.143	2.866	2.682	2.982	7.52
27) s	1,2-Dichloroetha...	2.979	2.856	2.834	2.615	2.431	2.743	7.94
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.525	0.509	0.521	0.506	0.511	0.515	1.58
30) M	2-Butanone	0.313	0.306	0.305	0.280	0.280	0.297	5.30
31)	2,2-Dichloropropane	0.637	0.626	0.636	0.620	0.624	0.629	1.16
32) M	1,1,1-Trichloroe...	0.645	0.674	0.667	0.665	0.682	0.666	2.08
33) M	Carbon Tetrachlo...	0.588	0.573	0.582	0.592	0.599	0.587	1.73
34) M	Benzene	1.612	1.583	1.581	1.540	1.550	1.573	1.81
35)	Methacrylonitrile	0.278	0.278	0.291	0.288	0.286	0.284	2.08
36) M	1,2-Dichloroethane	0.610	0.592	0.604	0.560	0.548	0.583	4.70
37) M	Trichloroethene	0.403	0.381	0.399	0.379	0.392	0.391	2.70
38)	Methylcyclohexane	0.641	0.621	0.650	0.639	0.639	0.638	1.67
39) M	1,2-Dichloropropane	0.406	0.404	0.405	0.388	0.379	0.396	3.09
40)	Dibromomethane	0.311	0.288	0.302	0.302	0.300	0.300	2.76
41) M	Bromodichloromet...	0.578	0.577	0.593	0.589	0.587	0.585	1.24
42) M	Vinyl Acetate	0.819	0.846	0.848	0.827	0.839	0.836	1.50
43)	Ethyl Acetate	0.669	0.580	0.580	0.548	0.554	0.586	8.29
44)	Isopropyl Acetate	1.003	0.942	0.963	0.903	0.892	0.940	4.79
45) T	1,4-Dioxane	0.013	0.011	0.011	0.012	0.011	0.012	5.17
46)	Methyl methacrylate	0.442	0.445	0.425	0.398	0.399	0.422	5.37
47)	n-amyl Acetate	0.673	0.786	0.873	0.863	0.844	0.808	10.23
48) M	t-1,3-Dichloropr...	0.587	0.599	0.665	0.673	0.671	0.639	6.61
49) T	cis-1,3-Dichloro...	0.644	0.656	0.683	0.687	0.688	0.672	3.00
50) M	1,1,2-Trichloroe...	0.434	0.426	0.447	0.442	0.452	0.440	2.33
51)	Ethyl methacrylate	0.624	0.660	0.715	0.715	0.715	0.686	6.08
52)	1,3-Dichloropropane	0.749	0.739	0.747	0.727	0.719	0.736	1.78
53) M	Dibromochloromet...	0.413	0.437	0.497	0.511	0.522	0.476	10.16
54) M	1,2-Dibromoethane	0.431	0.440	0.470	0.465	0.472	0.455	4.15
55) M	2-Chloroethyl vi...	0.269	0.273	0.278	0.288	0.293	0.280	3.61
56) M	Bromoform	0.266	0.299	0.358	0.397	0.428	0.350	19.14

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.696	0.672	0.656	0.610	0.601	0.647	6.24
59) M	2-Hexanone	0.518	0.522	0.502	0.475	0.465	0.496	5.17
60) S	4-Bromofluoroben...	0.529	0.556	0.620	0.626	0.615	0.589	7.44
61) M	Tetrachloroethene	0.366	0.333	0.321	0.323	0.325	0.334	5.65
62) M	Toluene	1.965	1.933	1.983	1.924	1.907	1.942	1.58
63) S	Toluene-d8	1.699	1.687	1.708	1.671	1.625	1.678	1.95
64) M	Chlorobenzene	1.204	1.162	1.228	1.208	1.216	1.204	2.09
65)	1,1,1,2-Tetrachl...	0.428	0.463	0.470	0.465	0.472	0.460	3.90
66) M	Ethyl Benzene	2.096	2.164	2.267	2.216	2.202	2.189	2.90
67) M	m/p-Xylenes	0.808	0.853	0.919	0.914	0.895	0.878	5.33
68) M	o-Xylene	0.818	0.864	0.920	0.915	0.896	0.882	4.81
69) M	Styrene	1.290	1.357	1.490	1.543	1.535	1.443	7.85
70)	Isopropylbenzene	2.075	2.213	2.399	2.421	2.389	2.299	6.54
71) M	1,1,2,2-Tetrachl...	0.749	0.761	0.755	0.750	0.731	0.749	1.50
72)	1,2,3-Trichlorop...	0.672	0.696	0.706	0.669	0.658	0.680	2.93
73)	Bromobenzene	0.476	0.483	0.519	0.529	0.551	0.512	6.13
74)	n-propylbenzene	2.276	2.450	2.728	2.727	2.692	2.575	7.89
75)	2-Chlorotoluene	1.455	1.517	1.646	1.627	1.590	1.567	5.08
76)	1,3,5-Trimethylb...	1.695	1.865	2.080	2.075	2.023	1.948	8.52
77)	t-1,4-Dichloro-2...	0.176	0.225	0.254	0.266	0.267	0.238	16.10
78)	4-Chlorotoluene	1.343	1.415	1.632	1.627	1.593	1.522	8.80
79)	tert-butylbenzene	1.533	1.659	1.833	1.845	1.826	1.739	7.96
80)	1,2,4-Trimethylb...	1.756	1.896	2.061	2.133	2.060	1.981	7.71
81)	sec-Butylbenzene	2.096	2.292	2.624	2.623	2.589	2.445	9.79
82)	p-Isopropyltoluene	1.683	1.901	2.167	2.295	2.267	2.063	12.76
83) M	1,3-Dichlorobenzene	0.863	0.912	1.042	1.121	1.122	1.012	11.80
84) M	1,4-Dichlorobenzene	0.841	0.857	1.012	1.080	1.092	0.976	12.32
85)	n-Butylbenzene	1.298	1.474	1.755	1.866	1.879	1.654	15.56
86) T	Hexachloroethane	0.336	0.367	0.405	0.400	0.403	0.382	7.89
87) M	1,2-Dichlorobenzene	0.889	0.925	1.014	1.084	1.093	1.001	9.18
88)	1,2-Dibromo-3-Ch...	0.129	0.164	0.163	0.167	0.165	0.157	10.02
89)	1,2,4-Trichlorob...	0.345	0.377	0.456	0.502	0.531	0.442	17.98
90)	Hexachlorobutadiene	0.186	0.185	0.203	0.219	0.224	0.203	8.98
91) M	Naphthalene	1.455	1.530	1.796	1.918	2.063	1.752	14.67
92)	1,2,3-Trichlorob...	0.378	0.390	0.452	0.486	0.532	0.448	14.42

(#) = Out of Range