

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N090822W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Sep 09 05:24:20 2022
 Response Via : Initial Calibration

Calibration Files

5 =VN074352.D 20 =VN074353.D 50 =VN074354.D 100 =VN074355.D 150 =VN074356.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	2.470	2.259	2.070	1.975	1.844	2.124	11.57
3) M	Chloromethane	3.775	3.178	2.776	2.580	2.326	2.927	19.37
4) M	Vinyl Chloride	3.586	3.292	3.179	2.943	2.650	3.130	11.32
5) M	Bromomethane	2.534	2.305	1.819	1.547	1.443	1.929	24.59
6) M	Chloroethane	2.486	2.246	2.132	1.951	1.795	2.122	12.57
7) M	Trichlorofluorom...	4.068	3.766	3.490	3.269	3.111	3.541	10.85
8) T	Diethyl Ether	1.630	1.618	1.469	1.378	1.285	1.476	10.16
9)	1,1,2-Trichlorot...	2.321	2.161	2.078	1.955	1.843	2.072	8.91
10) M	1,1-Dichloroethene	2.133	2.156	1.963	1.936	1.810	2.000	7.23
11)	Methyl Iodide	2.090	2.625	2.540	2.540	2.481	2.455	8.57
12)	Methyl Acetate	5.466	4.419	4.237	3.988	3.616	4.345	16.00
13) M	Acrolein	0.579	0.588	0.615	0.592	0.556	0.586	3.66
14) M	Acrylonitrile	1.751	1.749	1.718	1.656	1.546	1.684	5.14
15) M	Acetone	0.495	0.471	0.445	0.426	0.394	0.446	8.78
16) M	Carbon Disulfide	6.254	6.029	5.679	5.473	5.216	5.730	7.28
17)	Allyl chloride	4.838	4.483	4.380	4.096	3.794	4.318	9.16
18) M	Methylene Chloride	3.123	2.586	2.441	2.375	2.202	2.545	13.80
19) M	trans-1,2-Dichlo...	2.541	2.358	2.293	2.214	2.025	2.286	8.29
20) T	Diisopropyl ether	9.256	9.474	9.077	8.684	7.968	8.892	6.66
21) M	1,1-Dichloroethane	5.307	4.904	4.677	4.425	4.039	4.671	10.26
22) M	cis-1,2-Dichloro...	3.139	2.914	2.779	2.636	2.426	2.779	9.74
23) M	tert-Butyl Alcohol	0.716	0.785	0.764	0.724	0.658	0.729	6.72
24) M	Methyl tert-Buty...	9.104	8.838	8.488	8.144	7.493	8.413	7.47
25) M	Chloroform	5.060	5.002	4.832	4.596	4.235	4.745	7.11
26)	Cyclohexane	4.700	4.622	4.313	4.088	3.714	4.287	9.41
27) s	1,2-Dichloroetha...	3.270	3.381	3.175	2.882	2.692	3.080	9.27
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.598	0.603	0.611	0.598	0.572	0.596	2.46
30) M	2-Butanone	0.419	0.438	0.429	0.425	0.400	0.422	3.35
31)	2,2-Dichloropropane	0.795	0.762	0.716	0.708	0.668	0.730	6.81
32) M	1,1,1-Trichloroe...	0.757	0.734	0.736	0.743	0.706	0.735	2.55
33) M	Carbon Tetrachlo...	0.679	0.621	0.640	0.631	0.610	0.636	4.13
34) M	Benzene	1.879	1.872	1.842	1.834	1.741	1.833	3.00
35)	Methacrylonitrile	0.399	0.377	0.452	0.398	0.315	0.388	12.76
36) M	1,2-Dichloroethane	0.749	0.683	0.661	0.653	0.608	0.671	7.68
37) M	Trichloroethene	0.431	0.419	0.421	0.423	0.413	0.421	1.49
38)	Methylcyclohexane	0.791	0.740	0.764	0.743	0.717	0.751	3.72
39) M	1,2-Dichloropropane	0.498	0.486	0.467	0.471	0.438	0.472	4.83
40)	Dibromomethane	0.342	0.328	0.326	0.329	0.317	0.329	2.69
41) M	Bromodichloromet...	0.659	0.663	0.652	0.659	0.632	0.653	1.89
42) M	Vinyl Acetate	1.411	1.418	1.407	1.399	1.334	1.394	2.46
43)	Ethyl Acetate	0.780	0.880	0.870	0.855	0.805	0.838	5.16
44)	Isopropyl Acetate	1.393	1.353	1.343	1.324	1.247	1.332	4.05
45) T	1,4-Dioxane	0.011	0.013	0.013	0.013	0.012	0.012	5.77
46)	Methyl methacrylate	0.603	0.573	0.564	0.567	0.540	0.570	3.99
47)	n-amyl Acetate	1.147	1.211	1.233	1.258	1.203	1.211	3.41
48) M	t-1,3-Dichloropr...	0.749	0.746	0.773	0.783	0.761	0.762	2.06
49) T	cis-1,3-Dichloro...	0.766	0.771	0.796	0.793	0.766	0.778	1.92
50) M	1,1,2-Trichloroe...	0.484	0.457	0.460	0.473	0.450	0.465	2.90
51)	Ethyl methacrylate	0.793	0.827	0.838	0.856	0.821	0.827	2.81
52)	1,3-Dichloropropane	0.794	0.823	0.819	0.812	0.782	0.806	2.17
53) M	Dibromochloromet...	0.440	0.494	0.507	0.533	0.525	0.500	7.39
54) M	1,2-Dibromoethane	0.464	0.483	0.493	0.507	0.489	0.487	3.21
55) M	2-Chloroethyl vi...	0.405	0.386	0.399	0.407	0.390	0.397	2.36
56) M	Bromoform	0.332	0.348	0.387	0.419	0.416	0.381	10.38

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.969	0.969	0.940	0.919	0.867	0.932	4.56
59) M	2-Hexanone	0.752	0.748	0.738	0.720	0.676	0.727	4.26
60) S	4-Bromofluoroben...	0.566	0.594	0.613	0.615	0.612	0.600	3.46
61) M	Tetrachloroethene	0.402	0.366	0.370	0.365	0.358	0.372	4.66
62) M	Toluene	2.319	2.187	2.178	2.122	2.039	2.169	4.71
63) S	Toluene-d8	1.739	1.709	1.686	1.641	1.651	1.685	2.40
64) M	Chlorobenzene	1.330	1.271	1.287	1.280	1.250	1.284	2.28
65)	1,1,1,2-Tetrachl...	0.491	0.495	0.482	0.491	0.473	0.486	1.81
66) M	Ethyl Benzene	2.388	2.426	2.454	2.404	2.323	2.399	2.05
67) M	m/p-Xylenes	0.869	0.933	0.931	0.934	0.907	0.915	3.05
68) M	o-Xylene	0.938	0.932	0.943	0.941	0.914	0.934	1.22
69) M	Styrene	1.480	1.490	1.572	1.610	1.569	1.544	3.66
70)	Isopropylbenzene	2.309	2.417	2.470	2.506	2.420	2.424	3.06
71) M	1,1,2,2-Tetrachl...	0.868	0.847	0.856	0.849	0.806	0.845	2.79
72)	1,2,3-Trichlorop...	0.783	0.682	0.690	0.672	0.645	0.694	7.55
73)	Bromobenzene	0.519	0.499	0.537	0.548	0.525	0.526	3.54
74)	n-propylbenzene	2.630	2.742	2.937	2.942	2.838	2.818	4.73
75)	2-Chlorotoluene	1.613	1.656	1.744	1.740	1.656	1.682	3.43
76)	1,3,5-Trimethylb...	1.915	1.992	2.120	2.134	2.032	2.039	4.47
77)	t-1,4-Dichloro-2...	0.276	0.304	0.322	0.328	0.306	0.307	6.64
78)	4-Chlorotoluene	1.525	1.590	1.751	1.756	1.654	1.655	6.08
79)	tert-butylbenzene	1.695	1.789	1.879	1.891	1.808	1.813	4.37
80)	1,2,4-Trimethylb...	1.926	2.027	2.149	2.122	2.036	2.052	4.30
81)	sec-Butylbenzene	2.295	2.400	2.682	2.684	2.578	2.528	6.90
82)	p-Isopropyltoluene	1.856	1.954	2.205	2.263	2.171	2.090	8.40
83) M	1,3-Dichlorobenzene	0.846	0.924	1.051	1.081	1.042	0.989	10.09
84) M	1,4-Dichlorobenzene	0.841	0.912	1.049	1.054	1.042	0.980	9.97
85)	n-Butylbenzene	1.630	1.696	1.924	1.972	1.947	1.834	8.64
86) T	Hexachloroethane	0.396	0.394	0.414	0.423	0.413	0.408	3.02
87) M	1,2-Dichlorobenzene	0.940	0.971	1.066	1.074	1.061	1.023	6.07
88)	1,2-Dibromo-3-Ch...	0.194	0.209	0.213	0.213	0.207	0.207	3.69
89)	1,2,4-Trichlorob...	0.451	0.485	0.534	0.596	0.607	0.535	12.71
90)	Hexachlorobutadiene	0.197	0.217	0.235	0.245	0.246	0.228	9.11
91) M	Naphthalene	1.829	2.006	2.223	2.362	2.294	2.143	10.30
92)	1,2,3-Trichlorob...	0.476	0.484	0.552	0.601	0.600	0.543	11.16

(#) = Out of Range