

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N040723W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Apr 07 13:04:49 2023
 Response Via : Initial Calibration

Calibration Files

5 =VN077274.D 20 =VN077268.D 50 =VN077269.D 100 =VN077270.D 10 =VN077273.D

Compound		5	20	50	100	10	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	2.975	2.637	2.625	2.985	3.037	2.852	7.11
3) M	Chloromethane	4.344	3.514	3.329	3.520	4.239	3.789	12.31
4) M	Vinyl Chloride	6.069	5.024	4.929	5.228	5.886	5.427	9.54
5) M	Bromomethane	5.416	3.464	3.277	3.418	4.874	4.090	24.08
6) M	Chloroethane	3.875	3.422	3.354	3.455	4.082	3.638	8.85
7) M	Trichlorofluorom...	5.874	4.608	4.497	4.911	5.377	5.053	11.31
8) T	Diethyl Ether	2.362	2.018	1.947	2.156	2.286	2.154	8.11
9)	1,1,2-Trichlorot...	3.323	2.955	2.896	3.114	3.512	3.160	8.13
10) M	1,1-Dichloroethene	3.564	2.845	2.830	3.132	3.434	3.161	10.57
11)	Methyl Iodide	3.404	3.422	3.577	4.078	3.376	3.571	8.23
12)	Methyl Acetate	5.031	4.382	4.417	4.902	4.816	4.710	6.23
13) M	Acrolein	0.734	0.571	0.550	0.598	0.471	0.585	16.38
14) M	Acrylonitrile	1.675	1.479	1.520	1.693	1.683	1.610	6.34
15) M	Acetone	0.595	0.632	0.570	0.549	0.575	0.584	5.41
16) M	Carbon Disulfide	9.551	7.571	7.531	8.296	8.770	8.344	10.20
17)	Allyl chloride	4.258	3.957	3.658	4.234	4.240	4.069	6.42
18) M	Methylene Chloride	4.091	3.317	3.300	3.658	3.989	3.671	10.02
19) M	trans-1,2-Dichlo...	3.660	3.121	3.156	3.524	3.725	3.437	8.22
20) T	Diisopropyl ether	1.040	0.887	0.891	1.003	1.028	0.970	E1 7.75
21) M	1,1-Dichloroethane	6.494	5.635	5.771	6.380	6.457	6.147	6.68
22) M	cis-1,2-Dichloro...	4.514	3.765	3.907	4.352	4.413	4.190	7.93
23) M	tert-Butyl Alcohol	0.767	0.698	0.672	0.698	0.744	0.716	5.37
24) M	Methyl tert-Buty...	1.189	1.059	1.055	1.174	1.213	1.138	E1 6.64
25) M	Chloroform	7.183	6.084	6.206	6.791	7.046	6.662	7.42
26)	Cyclohexane	5.772	4.861	4.975	5.451	5.649	5.342	7.58
27) s	1,2-Dichloroetha...	2.619	2.496	2.488	2.562	2.557	2.544	2.11
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.653	0.613	0.617	0.703	0.664	0.650	5.70
30) M	2-Butanone	0.318	0.310	0.295	0.313	0.301	0.307	2.99
31)	2,2-Dichloropropane	0.829	0.747	0.744	0.859	0.809	0.798	6.39
32) M	1,1,1-Trichloroe...	0.815	0.763	0.755	0.843	0.824	0.800	4.86
33) M	Carbon Tetrachlo...	0.696	0.655	0.646	0.732	0.684	0.683	5.04
34) M	Benzene	2.059	1.907	1.898	2.110	2.080	2.011	5.01
35)	Methacrylonitrile	0.311	0.270	0.273	0.309	0.285	0.290	6.74
36) M	1,2-Dichloroethane	0.648	0.605	0.589	0.672	0.639	0.630	5.29
37) M	Trichloroethene	0.513	0.456	0.463	0.518	0.510	0.492	6.06
38)	Methylcyclohexane	0.901	0.825	0.829	0.942	0.910	0.881	5.89
39) M	1,2-Dichloropropane	0.514	0.476	0.470	0.525	0.511	0.499	4.97
40)	Dibromomethane	0.369	0.341	0.338	0.382	0.369	0.360	5.36
41) M	Bromodichloromet...	0.735	0.683	0.675	0.758	0.735	0.717	5.06
42) M	Vinyl Acetate	0.901	0.838	0.853	0.958	0.898	0.889	5.29
43)	Ethyl Acetate	0.586	0.537	0.532	0.620	0.568	0.569	6.41
44)	Isopropyl Acetate	1.020	0.983	0.969	1.079	1.039	1.018	4.32
45) T	1,4-Dioxane	0.011	0.010	0.010	0.011	0.011	0.011	2.68
46)	Methyl methacrylate	0.453	0.411	0.411	0.459	0.457	0.438	5.66
47)	n-amyl Acetate	0.840	0.837	0.883	1.009	0.880	0.890	7.87
48) M	t-1,3-Dichloropr...	0.792	0.744	0.778	0.890	0.809	0.803	6.75
49) T	cis-1,3-Dichloro...	0.849	0.803	0.805	0.932	0.881	0.854	6.38
50) M	1,1,2-Trichloroe...	0.543	0.485	0.495	0.555	0.533	0.522	5.84
51)	Ethyl methacrylate	0.766	0.755	0.788	0.894	0.809	0.802	6.88
52)	1,3-Dichloropropane	0.879	0.814	0.823	0.929	0.913	0.872	5.95
53) M	Dibromochloromet...	0.554	0.515	0.537	0.606	0.541	0.551	6.13
54) M	1,2-Dibromoethane	0.512	0.499	0.505	0.569	0.537	0.524	5.46
55) M	2-Chloroethyl vi...	0.248	0.236	0.243	0.311	0.201	0.248	16.05
56) M	Bromoform	0.368	0.348	0.361	0.417	0.355	0.370	7.41

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		-----ISTD-----							
57) I	Chlorobenzene-d5								
58) M	4-Methyl-2-Penta...	0.574	0.545	0.542	0.568	0.580	0.562		3.08
59) M	2-Hexanone	0.447	0.429	0.417	0.431	0.446	0.434		2.94
60) S	4-Bromofluoroben...	0.479	0.514	0.539	0.556	0.506	0.519		5.76
61) M	Tetrachloroethene	0.387	0.328	0.334	0.356	0.379	0.357		7.35
62) M	Toluene	2.166	1.970	1.967	2.155	2.208	2.093		5.53
63) S	Toluene-d8	1.066	1.044	1.043	1.035	1.085	1.055		1.95
64) M	Chlorobenzene	1.306	1.191	1.205	1.317	1.339	1.272		5.39
65)	1,1,1,2-Tetrachl...	0.461	0.451	0.453	0.481	0.492	0.468		3.91
66) M	Ethyl Benzene	2.287	2.174	2.238	2.458	2.438	2.319		5.37
67) M	m/p-Xylenes	0.900	0.843	0.883	0.956	0.963	0.909		5.57
68) M	o-Xylene	0.906	0.855	0.883	0.956	0.947	0.909		4.70
69) M	Styrene	1.422	1.355	1.442	1.590	1.475	1.457		5.95
70)	Isopropylbenzene	2.277	2.175	2.255	2.467	2.364	2.308		4.84
71) M	1,1,2,2-Tetrachl...	0.711	0.665	0.685	0.744	0.728	0.707		4.48
72)	1,2,3-Trichlorop...	0.489	0.483	0.476	0.430	0.524	0.480		6.97
73)	Bromobenzene	0.452	0.443	0.452	0.499	0.498	0.469		5.83
74)	n-propylbenzene	2.366	2.364	2.559	2.869	2.609	2.553		8.15
75)	2-Chlorotoluene	1.458	1.442	1.502	1.655	1.592	1.530		5.96
76)	1,3,5-Trimethylb...	1.737	1.776	1.904	2.064	1.911	1.878		6.87
77)	t-1,4-Dichloro-2...	0.230	0.229	0.247	0.280	0.237	0.245		8.54
78)	4-Chlorotoluene	1.301	1.333	1.452	1.631	1.510	1.445		9.29
79)	tert-butylbenzene	1.577	1.564	1.613	1.744	1.676	1.635		4.58
80)	1,2,4-Trimethylb...	1.627	1.759	1.860	2.060	1.849	1.831		8.64
81)	sec-Butylbenzene	2.113	2.232	2.350	2.599	2.379	2.335		7.78
82)	p-Isopropyltoluene	1.648	1.775	1.917	2.124	1.888	1.870		9.46
83) M	1,3-Dichlorobenzene	0.838	0.810	0.889	0.995	0.913	0.889		8.06
84) M	1,4-Dichlorobenzene	0.803	0.791	0.863	0.976	0.878	0.862		8.56
85)	n-Butylbenzene	1.280	1.400	1.628	1.896	1.525	1.546		15.22
86) T	Hexachloroethane	0.390	0.371	0.390	0.429	0.409	0.398		5.53
87) M	1,2-Dichlorobenzene	0.804	0.826	0.866	0.972	0.887	0.871		7.46
88)	1,2-Dibromo-3-Ch...	0.141	0.122	0.132	0.151	0.131	0.135		7.92
89)	1,2,4-Trichlorob...	0.262	0.284	0.378	0.477	0.313	0.343		25.31
90)	Hexachlorobutadiene	0.152	0.161	0.179	0.204	0.183	0.176		11.56
91) M	Naphthalene	0.983	1.120	1.468	1.806	1.167	1.309		25.19
92)	1,2,3-Trichlorob...	0.274	0.287	0.360	0.453	0.297	0.334		22.21

(#) = Out of Range