

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N080823W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Wed Aug 09 05:05:47 2023
 Response Via : Initial Calibration

Calibration Files

5 =VN078808.D 20 =VN078806.D 50 =VN078805.D 75 =VN078804.D 10 =VN078807.D

Compound		5	20	50	75	10	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	2.370	2.195	2.172	1.986	1.617	2.068	13.85
3) M	Chloromethane	2.623	2.607	2.515	2.307	2.262	2.462	6.85
4) M	Vinyl Chloride	2.415	2.375	2.419	2.274	2.232	2.343	3.64
5) M	Bromomethane	2.143	1.756	1.574	1.473	1.577	1.705	15.57
6) M	Chloroethane	1.951	1.700	1.558	1.477	1.637	1.664	10.85
7) M	Trichlorofluorom...	3.440	3.452	3.233	3.081	2.874	3.216	7.64
8) T	Diethyl Ether	1.230	1.198	1.155	1.113	1.022	1.144	7.08
9)	1,1,2-Trichlorot...	1.748	1.851	1.764	1.672	1.592	1.725	5.69
10) M	1,1-Dichloroethene	1.745	1.746	1.777	1.584	1.502	1.671	7.23
11)	Methyl Iodide	2.252	2.348	2.328	2.298	1.917	2.229	7.97
12)	Methyl Acetate	3.902	3.857	3.576	3.373	3.449	3.631	6.56
13) M	Acrolein	0.428	0.376	0.384	0.355	0.380	0.385	6.87
14) M	Acrylonitrile	0.977	1.025	0.984	0.934	0.864	0.957	6.38
15) M	Acetone	0.263	0.261	0.254	0.236	0.219	0.247	7.71
16) M	Carbon Disulfide	5.042	5.165	4.908	4.751	4.316	4.836	6.81
17)	Allyl chloride	3.296	2.821	3.082	2.863	2.540	2.920	9.76
18) M	Methylene Chloride	2.312	2.199	1.995	2.016	1.903	2.085	7.97
19) M	trans-1,2-Dichlo...	1.997	1.989	1.950	1.853	1.804	1.918	4.48
20) T	Diisopropyl ether	6.557	6.828	6.807	6.738	5.860	6.558	6.16
21) M	1,1-Dichloroethane	3.977	3.887	3.861	3.629	3.341	3.739	6.87
22) M	cis-1,2-Dichloro...	2.075	2.289	2.265	2.153	1.850	2.126	8.33
23) M	tert-Butyl Alcohol	0.420	0.366	0.344	0.326	0.322	0.356	11.24
24) M	Methyl tert-Buty...	5.596	5.873	5.980	5.680	4.831	5.592	8.08
25) M	Chloroform	3.805	3.845	3.834	3.686	3.391	3.712	5.13
26)	Cyclohexane	3.146	2.968	3.135	3.058	2.418	2.945	10.29
27) s	1,2-Dichloroetha...	2.520	2.477	2.335	2.375	2.369	2.415	3.27
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.471	0.497	0.539	0.502	0.427	0.487	8.51
30) M	2-Butanone	0.243	0.238	0.254	0.236	0.224	0.239	4.62
31)	2,2-Dichloropropane	0.499	0.510	0.548	0.508	0.447	0.503	7.21
32) M	1,1,1-Trichloroe...	0.620	0.558	0.605	0.574	0.513	0.574	7.30
33) M	Carbon Tetrachlo...	0.495	0.504	0.541	0.504	0.433	0.495	7.94
34) M	Benzene	1.548	1.469	1.578	1.483	1.337	1.483	6.28
35)	Methacrylonitrile	0.284	0.278	0.314	0.269	0.257	0.281	7.68
36) M	1,2-Dichloroethane	0.554	0.515	0.545	0.509	0.469	0.518	6.50
37) M	Trichloroethene	0.387	0.359	0.365	0.346	0.328	0.357	6.18
38)	Methylcyclohexane	0.445	0.476	0.508	0.487	0.390	0.461	9.92
39) M	1,2-Dichloropropane	0.396	0.396	0.417	0.391	0.363	0.392	4.87
40)	Dibromomethane	0.266	0.255	0.275	0.261	0.250	0.261	3.78
41) M	Bromodichloromet...	0.531	0.538	0.565	0.523	0.476	0.526	6.12
42) M	Vinyl Acetate	0.720	0.758	0.843	0.782	0.657	0.752	9.23
43)	Ethyl Acetate	0.497	0.543	0.490	0.481	0.468	0.496	5.75
44)	Isopropyl Acetate	1.040	0.863	0.923	0.865	0.761	0.890	11.46
45) T	1,4-Dioxane	0.005	0.006	0.007	0.006	0.005	0.006	11.98
46)	Methyl methacrylate	0.328	0.374	0.427	0.395	0.361	0.377	9.78
47)	n-amyl Acetate	0.525	0.639	0.730	0.717	0.501	0.623	17.01
48) M	t-1,3-Dichloropr...	0.500	0.538	0.603	0.566	0.451	0.532	11.09
49) T	cis-1,3-Dichloro...	0.568	0.602	0.648	0.615	0.523	0.591	8.07
50) M	1,1,2-Trichloroe...	0.363	0.356	0.383	0.351	0.322	0.355	6.28
51)	Ethyl methacrylate	0.461	0.489	0.581	0.548	0.410	0.498	13.65
52)	1,3-Dichloropropane	0.618	0.612	0.665	0.612	0.541	0.610	7.23
53) M	Dibromochloromet...	0.367	0.361	0.409	0.387	0.327	0.371	8.29
54) M	1,2-Dibromoethane	0.347	0.344	0.379	0.353	0.311	0.347	7.04
55) M	2-Chloroethyl vi...	0.153	0.181	0.209	0.204	0.171	0.184	12.70
56) M	Bromoform	0.207	0.232	0.268	0.255	0.197	0.232	13.06

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.575	0.603	0.607	0.559	0.540	0.577	5.00
59) M	2-Hexanone	0.391	0.423	0.431	0.404	0.355	0.401	7.48
60) S	4-Bromofluoroben...	0.375	0.442	0.447	0.470	0.371	0.421	10.77
61) M	Tetrachloroethene	0.370	0.351	0.337	0.323	0.335	0.343	5.24
62) M	Toluene	1.766	1.841	1.850	1.749	1.625	1.766	5.13
63) S	Toluene-d8	1.514	1.512	1.416	1.421	1.487	1.470	3.28
64) M	Chlorobenzene	1.029	1.066	1.078	1.033	0.963	1.034	4.35
65)	1,1,1,2-Tetrachl...	0.405	0.412	0.406	0.389	0.380	0.398	3.36
66) M	Ethyl Benzene	1.746	1.960	1.970	1.918	1.577	1.834	9.25
67) M	m/p-Xylenes	0.600	0.702	0.740	0.722	0.599	0.673	10.12
68) M	o-Xylene	0.635	0.710	0.725	0.701	0.576	0.669	9.32
69) M	Styrene	0.838	1.071	1.189	1.167	0.849	1.023	16.57
70)	Isopropylbenzene	1.505	1.724	1.848	1.787	1.403	1.654	11.53
71) M	1,1,2,2-Tetrachl...	0.589	0.591	0.582	0.542	0.498	0.560	7.22
72)	1,2,3-Trichlorop...	0.531	0.487	0.528	0.503	0.398	0.489	11.10
73)	Bromobenzene	0.412	0.408	0.424	0.410	0.322	0.395	10.45
74)	n-propylbenzene	1.540	1.958	2.079	2.047	1.525	1.830	15.02
75)	2-Chlorotoluene	1.076	1.219	1.233	1.218	0.953	1.140	10.76
76)	1,3,5-Trimethylb...	1.138	1.424	1.477	1.425	1.102	1.313	13.55
77)	t-1,4-Dichloro-2...	0.137	0.164	0.180	0.170	0.116	0.154	17.13
78)	4-Chlorotoluene	0.865	1.139	1.211	1.202	0.872	1.058	16.55
79)	tert-butylbenzene	0.917	1.178	1.185	1.199	0.910	1.078	13.94
80)	1,2,4-Trimethylb...	1.009	1.340	1.429	1.381	1.037	1.239	16.13
81)	sec-Butylbenzene	1.225	1.568	1.638	1.584	1.198	1.443	14.75
82)	p-Isopropyltoluene	0.884	1.223	1.322	1.278	0.943	1.130	17.87
83) M	1,3-Dichlorobenzene	0.477	0.669	0.718	0.709	0.481	0.611	19.88
84) M	1,4-Dichlorobenzene	0.459	0.630	0.690	0.692	0.445	0.583	20.99
85)	n-Butylbenzene	0.654	0.885	1.003	0.980	0.635	0.832	21.18
86) T	Hexachloroethane	0.227	0.249	0.255	0.259	0.200	0.238	10.42
87) M	1,2-Dichlorobenzene	0.483	0.658	0.706	0.665	0.493	0.601	17.45
88)	1,2-Dibromo-3-Ch...	0.073	0.082	0.089	0.085	0.068	0.080	11.06
89)	1,2,4-Trichlorob...	0.101	0.182	0.218	0.221	0.109	0.166	34.78
90)	Hexachlorobutadiene	0.123	0.134	0.132	0.112	0.111	0.122	8.73
91) M	Naphthalene	0.335	0.558	0.694	0.672	0.341	0.520	33.45
92)	1,2,3-Trichlorob...	0.140	0.214	0.244	0.228	0.148	0.195	24.42

(#) = Out of Range