

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N011124W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Jan 12 05:20:11 2024
 Response Via : Initial Calibration

Calibration Files

5 =VN080671.D 20 =VN080669.D 50 =VN080668.D 100 =VN080667.D 150 =VN080666.D 10 =VN080670.D

	Compound	5	20	50	100	150	10	Avg	%RSD
1) I	Bromochloromethane	-----ISTD-----							
2) M	Dichlorodifluo...	4.621	5.091	5.274	5.626	4.909	5.071	5.099	6.64
3) M	Chloromethane	7.916	6.699	6.351	7.105	6.496	7.107	6.946	8.17
4) M	Vinyl Chloride	5.511	5.203	5.095	5.458	4.994	5.441	5.283	4.08
5) M	Bromomethane	2.223	1.944	1.843	1.923	1.658	2.049	1.940	9.81
6) M	Chloroethane	3.068	2.890	2.737	2.925	2.565	2.954	2.856	6.26
7) M	Trichlorofluor...	7.923	7.862	7.802	8.495	7.443	7.834	7.893	4.31
8) T	Diethyl Ether	3.575	3.746	3.571	3.912	3.313	3.922	3.673	6.37
9)	1,1,2-Trichlor...	4.630	4.607	4.390	4.746	4.383	4.534	4.548	3.14
10) M	1,1-Dichloroet...	4.921	4.944	4.696	5.119	4.548	5.088	4.886	4.58
11)	Methyl Iodide	4.231	4.130	4.136	4.484	3.802	4.219	4.167	5.28
12)	Methyl Acetate	6.402	5.834	5.374	6.008	4.974	6.091	5.780	9.00
13) M	Acrolein	1.090	0.753	0.688	0.730	0.627	0.723	0.768	21.28
14) M	Acrylonitrile	2.775	2.635	2.526	2.685	2.263	2.745	2.605	7.27
15) M	Acetone	0.641	0.615	0.591	0.591	0.488	0.620	0.591	9.14
16) M	Carbon Disulfide	1.649	1.524	1.480	1.515	1.347	1.568	1.514	E1 6.63
17)	Allyl chloride	1.040	0.985	1.035	1.026	0.874	0.974	0.989	E1 6.32
18) M	Methylene Chlo...	6.232	5.809	5.389	5.734	5.102	5.800	5.678	6.85
19) M	trans-1,2-Dich...	5.210	5.377	5.008	5.338	4.619	5.269	5.137	5.54
20) T	Diisopropyl ether	2.098	2.036	1.929	2.122	1.789	2.067	2.007	E1 6.29
21) M	1,1-Dichloroet...	1.123	1.132	1.050	1.152	0.973	1.109	1.090	E1 6.14
22) M	cis-1,2-Dichlo...	6.266	6.068	5.780	6.279	5.241	6.423	6.009	7.28
23) M	tert-Butyl Alc...	0.973	0.937	0.856	0.921	0.764	0.940	0.898	8.48
24) M	Methyl tert-Bu...	1.795	1.832	1.690	1.908	1.588	1.786	1.767	E1 6.37
25) M	Chloroform	1.087	1.019	0.991	1.068	0.909	1.016	1.015	E1 6.20
26)	Cyclohexane	8.813	8.652	8.455	9.021	7.937	8.549	8.571	4.31
27) s	1,2-Dichloroet...	4.856	5.295	4.969	4.634	4.382	4.932	4.845	6.43
28) I	1,4-Difluorobenzene	-----ISTD-----							
29)	1,1-Dichloropr...	0.916	0.857	0.893	1.013	0.907	0.885	0.912	5.89
30) M	2-Butanone	0.419	0.403	0.394	0.444	0.366	0.396	0.404	6.46
31)	2,2-Dichloropr...	1.059	1.039	1.084	1.240	1.098	1.054	1.096	6.73
32) M	1,1,1-Trichlor...	0.964	0.936	1.008	1.146	1.012	0.955	1.003	7.58
33) M	Carbon Tetrach...	0.759	0.740	0.784	0.915	0.803	0.754	0.793	8.09
34) M	Benzene	2.745	2.604	2.634	2.956	2.593	2.698	2.705	5.03
35)	Methacrylonitrile	0.468	0.497	0.531	0.568	0.486	0.488	0.506	7.22
36) M	1,2-Dichloroet...	0.963	0.957	0.981	1.153	0.964	0.950	0.995	7.90
37) M	Trichloroethene	0.606	0.547	0.584	0.652	0.569	0.582	0.590	6.10
38)	Methylcyclohexane	0.858	0.847	0.880	0.979	0.896	0.870	0.888	5.35
39) M	1,2-Dichloropr...	0.726	0.688	0.708	0.815	0.696	0.741	0.729	6.37
40)	Dibromomethane	0.451	0.419	0.419	0.480	0.406	0.427	0.434	6.27
41) M	Bromodichlorom...	0.918	0.908	0.946	1.079	0.932	0.912	0.949	6.88
42) M	Vinyl Acetate	1.828	1.842	1.890	2.055	1.762	1.877	1.876	5.27
43)	Ethyl Acetate	0.773	0.896	0.847	0.959	0.803	0.806	0.847	8.16
44)	Isopropyl Acetate	1.627	1.557	1.599	1.819	1.521	1.583	1.618	6.49
45) T	1,4-Dioxane	0.010	0.010	0.009	0.009	0.008	0.010	0.009	9.25
46)	Methyl methacr...	0.752	0.735	0.749	0.851	0.722	0.762	0.762	6.01
47)	n-amyl Acetate	1.509	1.414	1.431	1.593	1.347	1.416	1.451	5.94
48) M	t-1,3-Dichloro...	1.109	1.062	1.103	1.284	1.093	1.059	1.119	7.50
49) T	cis-1,3-Dichlo...	1.158	1.125	1.186	1.333	1.161	1.160	1.187	6.23
50) M	1,1,2-Trichlor...	0.607	0.585	0.586	0.648	0.556	0.591	0.596	5.12
51)	Ethyl methacry...	1.000	0.998	1.029	1.145	0.978	1.030	1.030	5.80
52)	1,3-Dichloropr...	1.177	1.103	1.097	1.240	1.050	1.062	1.122	6.52
53) M	Dibromochlorom...	0.539	0.582	0.599	0.681	0.584	0.592	0.596	7.83
54) M	1,2-Dibromoethane	0.592	0.564	0.579	0.648	0.565	0.565	0.586	5.56
55) M	2-Chloroethyl ...	0.560	0.539	0.527	0.531	0.475	0.544	0.529	5.44
56) M	Bromoform	0.326	0.334	0.348	0.409	0.346	0.349	0.352	8.37

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57) I	Chlorobenzene-d5	-----ISTD-----							
58) M	4-Methyl-2-Pen...	0.842	0.760	0.779	0.828	0.722	0.804	0.789	5.65
59) M	2-Hexanone	0.609	0.559	0.595	0.624	0.542	0.606	0.589	5.39
60) S	4-Bromofluorob...	0.630	0.655	0.682	0.648	0.698	0.670	0.664	3.69
61) M	Tetrachloroethene	0.440	0.373	0.392	0.429	0.389	0.373	0.399	7.16
62) M	Toluene	2.491	2.238	2.372	2.564	2.366	2.447	2.413	4.71
63) S	Toluene-d8	1.317	1.307	1.335	1.283	1.316	1.341	1.317	1.57
64) M	Chlorobenzene	1.377	1.245	1.337	1.440	1.332	1.332	1.344	4.75
65)	1,1,1,2-Tetrac...	0.517	0.438	0.487	0.501	0.460	0.494	0.483	5.97
66) M	Ethyl Benzene	2.512	2.333	2.556	2.737	2.535	2.555	2.538	5.08
67) M	m/p-Xylenes	0.909	0.862	0.926	0.967	0.895	0.914	0.912	3.80
68) M	o-Xylene	0.958	0.834	0.911	0.965	0.891	0.899	0.910	5.29
69) M	Styrene	1.522	1.431	1.538	1.611	1.507	1.561	1.528	3.93
70)	Isopropylbenzene	2.168	2.082	2.248	2.406	2.236	2.200	2.223	4.83
71) M	1,1,2,2-Tetrac...	0.785	0.692	0.694	0.759	0.676	0.748	0.726	6.08
72)	1,2,3-Trichlor...	0.783	0.684	0.666	0.698	0.633	0.663	0.688	7.49
73)	Bromobenzene	0.491	0.444	0.461	0.509	0.463	0.476	0.474	4.88
74)	n-propylbenzene	2.492	2.495	2.744	2.952	2.804	2.602	2.681	6.86
75)	2-Chlorotoluene	1.683	1.530	1.690	1.845	1.726	1.643	1.686	6.12
76)	1,3,5-Trimethy...	1.819	1.699	1.857	1.994	1.865	1.870	1.850	5.15
77)	t-1,4-Dichloro...	0.277	0.260	0.287	0.316	0.288	0.264	0.282	7.24
78)	4-Chlorotoluene	1.629	1.509	1.709	1.848	1.720	1.697	1.686	6.64
79)	tert-butylbenzene	1.383	1.341	1.460	1.555	1.468	1.459	1.444	5.17
80)	1,2,4-Trimethy...	1.727	1.743	1.839	1.942	1.813	1.798	1.810	4.26
81)	sec-Butylbenzene	2.058	1.949	2.145	2.300	2.171	2.134	2.126	5.51
82)	p-Isopropyltol...	1.536	1.520	1.629	1.790	1.657	1.597	1.622	6.04
83) M	1,3-Dichlorobe...	0.849	0.769	0.793	0.871	0.813	0.838	0.822	4.58
84) M	1,4-Dichlorobe...	0.782	0.768	0.839	0.904	0.841	0.833	0.828	5.87
85)	n-Butylbenzene	1.408	1.446	1.662	1.805	1.736	1.556	1.602	9.94
86) T	Hexachloroethane	0.316	0.252	0.319	0.338	0.326	0.277	0.305	10.86
87) M	1,2-Dichlorobe...	0.807	0.751	0.798	0.871	0.804	0.808	0.807	4.76
88)	1,2-Dibromo-3-...	0.145	0.149	0.155	0.161	0.148	0.148	0.151	4.05
89)	1,2,4-Trichlor...	0.378	0.385	0.411	0.439	0.404	0.410	0.405	5.34
90)	Hexachlorobuta...	0.186	0.164	0.183	0.194	0.182	0.203	0.185	7.03
91) M	Naphthalene	1.557	1.523	1.588	1.707	1.535	1.552	1.577	4.27
92)	1,2,3-Trichlor...	0.378	0.385	0.411	0.439	0.404	0.410	0.405	5.34

(#) = Out of Range