

Method Path : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\
 Method File : 624N101119W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Oct 11 04:26:47 2019
 Response Via : Initial Calibration

Calibration Files

5 =VN058668.D 20 =VN058673.D 50 =VN058669.D
 100 =VN058670.D 150 =VN058671.D

	Compound	5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	1.724	1.712	1.734	1.400	1.559	1.625	8.93
3) M	Chloromethane	2.536	2.242	2.246	1.818	2.014	2.171	12.47
4) M	Vinyl Chloride	2.513	2.350	2.303	1.917	2.138	2.244	10.09
5) M	Bromomethane	1.632	1.479	1.390	1.145	1.282	1.386	13.41
6) M	Chloroethane	1.663	1.462	1.441	1.170	1.317	1.411	12.99
7) M	Trichlorofluorometh	3.108	2.863	2.910	2.337	2.592	2.762	10.87
8) T	Diethyl Ether	1.191	1.094	1.087	0.892	1.004	1.053	10.62
9)	1,1,2-Trichlorotrif	1.830	1.642	1.684	1.347	1.488	1.598	11.63
10) M	1,1-Dichloroethene	1.866	1.625	1.614	1.293	1.450	1.570	13.66
11)	Methyl Iodide	2.306	2.196	2.350	1.910	2.168	2.186	7.85
12)	Methyl Acetate	2.923	2.514	2.610	2.121	2.388	2.511	11.72
13) M	Acrolein	0.341	0.268	0.275	0.229	0.275	0.277	14.45
14) M	Acrylonitrile	1.060	0.977	1.047	0.876	0.988	0.990	7.36
15) M	Acetone	0.327	0.288	0.327	0.252	0.275	0.294	11.22
16) M	Carbon Disulfide	5.383	4.725	4.648	3.840	4.296	4.578	12.45
17)	Allyl chloride	3.443	3.203	3.303	2.666	3.006	3.124	9.65
18) M	Methylene Chloride	2.245	1.954	1.972	1.582	1.751	1.901	13.15
19) M	trans-1,2-Dichloroe	1.942	1.778	1.777	1.440	1.607	1.709	11.20
20) T	Diisopropyl ether	6.817	6.518	6.737	5.543	6.212	6.365	8.11
21) M	1,1-Dichloroethane	3.949	3.622	3.748	2.993	3.312	3.525	10.68
22) M	cis-1,2-Dichloroeth	2.286	2.106	2.145	1.736	1.914	2.037	10.53
23) M	tert-Butyl Alcohol	0.444	0.401	0.426	0.350	0.402	0.405	8.70
24) M	Methyl tert-Butyl E	6.374	6.001	6.218	5.060	5.626	5.856	8.99
25) M	Chloroform	3.948	3.622	3.733	2.984	3.292	3.515	10.81
26)	Cyclohexane	3.341	3.124	3.309	2.671	3.024	3.094	8.74
27) s	1,2-Dichloroethane-	2.643	2.583	2.557	2.474	2.475	2.546	2.85

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.510	0.481	0.506	0.410	0.454	0.472	8.76
30) M	2-Butanone	0.275	0.263	0.295	0.242	0.260	0.267	7.36
31)	2,2-Dichloropropane	0.656	0.548	0.596	0.472	0.512	0.557	12.88
32) M	1,1,1-Trichloroetha	0.610	0.566	0.578	0.466	0.510	0.546	10.51
33) M	Carbon Tetrachlorid	0.510	0.487	0.506	0.411	0.450	0.473	8.86
34) M	Benzene	1.560	1.424	1.464	1.200	1.303	1.390	10.10
35)	Methacrylonitrile	0.217	0.240	0.266	0.226	0.229	0.236	8.00
36) M	1,2-Dichloroethane	0.597	0.548	0.561	0.457	0.495	0.532	10.44
37) M	Trichloroethene	0.376	0.350	0.361	0.297	0.324	0.342	9.15
38)	Methylcyclohexane	0.581	0.549	0.585	0.482	0.541	0.548	7.59
39) M	1,2-Dichloropropane	0.421	0.395	0.402	0.325	0.357	0.380	10.19
40)	Dibromomethane	0.262	0.247	0.254	0.209	0.226	0.240	9.07
41) M	Bromodichloromethan	0.519	0.502	0.522	0.433	0.474	0.490	7.56
42) M	Vinyl Acetate	0.988	0.992	1.038	0.840	0.815	0.935	10.75
43)	Ethyl Acetate	0.579	0.538	0.553	0.453	0.496	0.524	9.49
44)	Isopropyl Acetate	0.880	0.854	0.907	0.758	0.843	0.848	6.65
45) T	1,4-Dioxane	0.007	0.006	0.007	0.006	0.007	0.007#	5.89
46)	Methyl methacrylate	0.388	0.384	0.421	0.355	0.399	0.390	6.10
47)	n-amyl Acetate	0.697	0.739	0.820	0.701	0.803	0.752	7.60
48) M	t-1,3-Dichloroprope	0.582	0.571	0.610	0.511	0.568	0.568	6.38
49) T	cis-1,3-Dichloropro	0.609	0.608	0.638	0.536	0.593	0.597	6.34
50) M	1,1,2-Trichloroetha	0.372	0.351	0.364	0.297	0.326	0.342	8.93
51)	Ethyl methacrylate	0.517	0.543	0.598	0.505	0.573	0.548	7.05
52)	1,3-Dichloropropane	0.668	0.625	0.646	0.526	0.584	0.610	9.22

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	Compound	5	20	50	100	150	Avg	%RSD
53) M	Dibromochloromethan	0.369	0.369	0.396	0.333	0.370	0.367	6.17
54) M	1,2-Dibromoethane	0.372	0.359	0.379	0.316	0.349	0.355	6.97
55) M	2-Chloroethyl vinyl	0.261	0.290	0.293	0.232	0.286	0.272	9.54
56) M	Bromoform	0.239	0.250	0.278	0.239	0.273	0.256	7.22
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.595	0.586	0.607	0.487	0.461	0.547	12.37
59) M	2-Hexanone	0.442	0.442	0.487	0.392	0.382	0.429	9.92
60) S	4-Bromofluorobenzen	0.498	0.524	0.528	0.534	0.540	0.525	3.06
61) M	Tetrachloroethene	0.371	0.342	0.337	0.271	0.299	0.324	12.06
62) M	Toluene	1.801	1.683	1.715	1.393	1.477	1.614	10.64
63) S	Toluene-d8	1.431	1.439	1.404	1.409	1.399	1.416	1.24
64) M	Chlorobenzene	1.079	1.023	1.045	0.848	0.938	0.987	9.44
65)	1,1,1,2-Tetrachloro	0.394	0.380	0.394	0.324	0.357	0.370	8.02
66) M	Ethyl Benzene	1.935	1.860	1.938	1.580	1.620	1.787	9.72
67) M	m/p-Xylenes	0.691	0.689	0.720	0.589	0.648	0.668	7.59
68) M	o-Xylene	0.685	0.664	0.686	0.568	0.633	0.647	7.57
69) M	Styrene	1.042	1.078	1.159	0.976	1.092	1.069	6.28
70)	Isopropylbenzene	1.838	1.813	1.910	1.565	1.611	1.747	8.63
71) M	1,1,2,2-Tetrachloro	0.636	0.605	0.618	0.513	0.569	0.588	8.33
72)	1,2,3-Trichloroprop	0.576	0.551	0.556	0.466	0.516	0.533	8.16
73)	Bromobenzene	0.465	0.432	0.448	0.368	0.410	0.424	8.87
74)	n-propylbenzene	2.132	2.151	2.270	1.845	1.828	2.045	9.68
75)	2-Chlorotoluene	1.286	1.263	1.326	1.089	1.188	1.231	7.60
76)	1,3,5-Trimethylbenz	1.554	1.542	1.628	1.338	1.421	1.497	7.72
77)	t-1,4-Dichloro-2-bu	0.187	0.200	0.220	0.190	0.218	0.203	7.67
78)	4-Chlorotoluene	1.282	1.290	1.365	1.153	1.252	1.268	6.06
79)	tert-butylbenzene	1.309	1.315	1.391	1.141	1.237	1.279	7.36
80)	1,2,4-Trimethylbenz	1.488	1.534	1.641	1.345	1.428	1.487	7.49
81)	sec-Butylbenzene	1.759	1.783	1.897	1.554	1.611	1.721	8.02
82)	p-Isopropyltoluene	1.514	1.585	1.722	1.418	1.487	1.545	7.49
83) M	1,3-Dichlorobenzene	0.772	0.779	0.828	0.687	0.774	0.768	6.62
84) M	1,4-Dichlorobenzene	0.778	0.779	0.823	0.685	0.770	0.767	6.55
85)	n-Butylbenzene	1.335	1.408	1.585	1.323	1.422	1.415	7.42
86) T	Hexachloroethane	0.278	0.283	0.302	0.254	0.289	0.281	6.35
87) M	1,2-Dichlorobenzene	0.787	0.765	0.817	0.674	0.747	0.758	7.11
88)	1,2-Dibromo-3-Chlor	0.135	0.134	0.137	0.116	0.132	0.131	6.35
89)	1,2,4-Trichlorobenz	0.465	0.475	0.519	0.437	0.497	0.479	6.52
90)	Hexachlorobutadiene	0.264	0.248	0.260	0.220	0.244	0.247	6.99
91) M	Naphthalene	1.335	1.412	1.548	1.327	1.445	1.413	6.40
92)	1,2,3-Trichlorobenz	0.463	0.465	0.494	0.425	0.483	0.466	5.69

(#) = Out of Range