

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X070822W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Sat Jul 09 02:10:54 2022
 Response Via : Initial Calibration

Calibration Files

5 =VX029965.D 20 =VX029966.D 50 =VX029967.D 100 =VX029968.D 150 =VX029969.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.670	2.154	2.154	2.103	2.176	2.051	10.47
3) M	Chloromethane	2.074	2.176	2.209	2.099	2.138	2.139	2.56
4) M	Vinyl Chloride	2.384	2.397	2.438	2.406	2.495	2.424	1.83
5) M	Bromomethane	1.241	1.151	0.969	0.820	0.812	0.999	19.37
6) M	Chloroethane	1.141	1.365	1.352	1.338	1.294	1.298	7.08
7) M	Trichlorofluorom...	2.997	3.057	3.090	3.069	3.150	3.073	1.80
8) T	Diethyl Ether	1.333	1.273	1.322	1.281	1.327	1.307	2.16
9)	1,1,2-Trichlorot...	2.109	2.070	2.054	2.044	2.069	2.069	1.20
10) M	1,1-Dichloroethene	2.000	2.117	2.140	2.128	2.178	2.113	3.18
11)	Methyl Iodide	0.783	1.336	1.886	2.245	2.510	1.752	39.82
12)	Methyl Acetate	3.407	3.384	3.443	3.409	3.560	3.441	2.03
13) M	Acrolein	0.424	0.381	0.375	0.411	0.429	0.404	6.09
14) M	Acrylonitrile	1.409	1.486	1.496	1.482	1.530	1.481	2.99
15) M	Acetone	0.382	0.404	0.412	0.399	0.414	0.402	3.14
16) M	Carbon Disulfide	5.216	5.326	5.595	5.596	5.842	5.515	4.49
17)	Allyl chloride	3.569	3.634	3.756	3.774	3.882	3.723	3.31
18) M	Methylene Chloride	2.494	2.488	2.462	2.409	2.455	2.461	1.37
19) M	trans-1,2-Dichlo...	2.327	2.238	2.288	2.286	2.323	2.293	1.56
20) T	Diisopropyl ether	7.227	7.240	7.384	7.478	7.963	7.458	4.03
21) M	1,1-Dichloroethane	3.946	3.987	4.019	3.990	4.133	4.015	1.77
22) M	cis-1,2-Dichloro...	2.752	2.664	2.724	2.698	2.773	2.722	1.60
23) M	tert-Butyl Alcohol	0.863	0.640	0.627	0.614	0.648	0.678	15.29
24) M	Methyl tert-Buty...	6.620	6.666	6.807	6.899	7.086	6.815	2.75
25) M	Chloroform	3.942	3.862	4.021	4.001	4.181	4.002	2.94
26)	Cyclohexane	3.661	3.582	3.750	3.755	3.852	3.720	2.76
27) s	1,2-Dichloroetha...	2.341	2.400	2.367	2.540	2.583	2.446	4.43
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.534	0.488	0.538	0.501	0.504	0.513	4.29
30) M	2-Butanone	0.353	0.342	0.365	0.334	0.339	0.346	3.55
31)	2,2-Dichloropropane	0.503	0.471	0.509	0.482	0.488	0.491	3.13
32) M	1,1,1-Trichloroe...	0.561	0.533	0.577	0.535	0.553	0.552	3.35
33) M	Carbon Tetrachlo...	0.458	0.447	0.488	0.458	0.466	0.463	3.31
34) M	Benzene	1.720	1.640	1.715	1.584	1.586	1.649	4.03
35)	Methacrylonitrile	0.341	0.340	0.371	0.343	0.359	0.351	3.87
36) M	1,2-Dichloroethane	0.523	0.489	0.518	0.488	0.492	0.502	3.40
37) M	Trichloroethene	0.475	0.433	0.452	0.422	0.423	0.441	5.07
38)	Methylcyclohexane	0.679	0.644	0.702	0.651	0.654	0.666	3.61
39) M	1,2-Dichloropropane	0.441	0.417	0.429	0.407	0.406	0.420	3.58
40)	Dibromomethane	0.288	0.278	0.305	0.272	0.281	0.285	4.47
41) M	Bromodichloromet...	0.499	0.499	0.529	0.499	0.516	0.508	2.70
42) M	Vinyl Acetate	1.063	1.086	1.176	1.089	1.124	1.108	3.97
43)	Ethyl Acetate	0.617	0.663	0.684	0.638	0.660	0.653	3.91
44)	Isopropyl Acetate	0.978	0.956	1.039	0.982	1.002	0.991	3.16
45) T	1,4-Dioxane	0.011	0.012	0.012	0.011	0.012	0.012	2.74
46)	Methyl methacrylate	0.449	0.450	0.502	0.465	0.482	0.470	4.83
47)	n-amyl Acetate	0.748	0.781	0.910	0.875	0.944	0.852	9.84
48) M	t-1,3-Dichloropr...	0.543	0.522	0.588	0.569	0.587	0.562	5.11
49) T	cis-1,3-Dichloro...	0.606	0.609	0.663	0.625	0.652	0.631	4.05
50) M	1,1,2-Trichloroe...	0.441	0.417	0.440	0.401	0.410	0.422	4.30
51)	Ethyl methacrylate	0.618	0.627	0.704	0.649	0.683	0.656	5.58
52)	1,3-Dichloropropane	0.705	0.669	0.715	0.646	0.656	0.678	4.46
53) M	Dibromochloromet...	0.374	0.370	0.416	0.388	0.402	0.390	4.91
54) M	1,2-Dibromoethane	0.445	0.430	0.456	0.425	0.432	0.438	2.88
55) M	2-Chloroethyl vi...	0.330	0.331	0.351	0.332	0.348	0.338	3.08
56) M	Bromoform	0.232	0.252	0.291	0.285	0.306	0.273	11.07

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.742	0.729	0.788	0.700	0.746	0.741	4.31
59) M	2-Hexanone	0.561	0.566	0.601	0.563	0.574	0.573	2.87
60) S	4-Bromofluoroben...	0.543	0.542	0.559	0.573	0.609	0.565	4.89
61) M	Tetrachloroethene	0.487	0.467	0.466	0.419	0.413	0.450	7.32
62) M	Toluene	2.105	1.985	2.052	1.925	1.911	1.996	4.14
63) S	Toluene-d8	1.613	1.640	1.621	1.635	1.625	1.627	0.68
64) M	Chlorobenzene	1.216	1.173	1.254	1.140	1.175	1.192	3.71
65)	1,1,1,2-Tetrachl...	0.417	0.412	0.429	0.404	0.415	0.416	2.17
66) M	Ethyl Benzene	2.178	2.094	2.213	2.039	2.079	2.121	3.41
67) M	m/p-Xylenes	0.847	0.824	0.856	0.792	0.796	0.823	3.49
68) M	o-Xylene	0.807	0.827	0.854	0.804	0.806	0.819	2.60
69) M	Styrene	1.320	1.325	1.430	1.330	1.376	1.356	3.45
70)	Isopropylbenzene	2.079	2.028	2.151	2.001	2.058	2.063	2.77
71) M	1,1,2,2-Tetrachl...	0.755	0.738	0.768	0.731	0.760	0.750	2.08
72)	1,2,3-Trichlorop...	0.658	0.688	0.699	0.657	0.669	0.674	2.76
73)	Bromobenzene	0.506	0.479	0.513	0.481	0.494	0.495	2.99
74)	n-propylbenzene	2.417	2.404	2.603	2.435	2.517	2.475	3.40
75)	2-Chlorotoluene	1.477	1.431	1.503	1.417	1.459	1.458	2.39
76)	1,3,5-Trimethylb...	1.755	1.677	1.794	1.703	1.734	1.732	2.63
77)	t-1,4-Dichloro-2...	0.183	0.213	0.249	0.247	0.267	0.232	14.50
78)	4-Chlorotoluene	1.585	1.592	1.697	1.638	1.668	1.636	2.94
79)	tert-butylbenzene	1.655	1.616	1.787	1.649	1.720	1.685	4.04
80)	1,2,4-Trimethylb...	1.744	1.691	1.908	1.737	1.825	1.781	4.82
81)	sec-Butylbenzene	2.206	2.192	2.387	2.263	2.357	2.281	3.85
82)	p-Isopropyltoluene	1.725	1.767	1.947	1.805	1.938	1.836	5.49
83) M	1,3-Dichlorobenzene	0.942	0.921	0.992	0.943	0.989	0.957	3.27
84) M	1,4-Dichlorobenzene	0.927	0.934	1.007	0.971	1.015	0.971	4.16
85)	n-Butylbenzene	1.569	1.579	1.803	1.749	1.918	1.723	8.68
86) T	Hexachloroethane	0.265	0.276	0.322	0.322	0.339	0.305	10.60
87) M	1,2-Dichlorobenzene	0.963	0.917	0.985	0.912	0.949	0.945	3.30
88)	1,2-Dibromo-3-Ch...	0.147	0.161	0.179	0.179	0.190	0.171	10.00
89)	1,2,4-Trichlorob...	0.557	0.558	0.605	0.585	0.621	0.585	4.81
90)	Hexachlorobutadiene	0.222	0.204	0.231	0.222	0.231	0.222	5.06
91) M	Naphthalene	2.120	2.252	2.489	2.352	2.451	2.333	6.45
92)	1,2,3-Trichlorob...	0.575	0.556	0.624	0.603	0.622	0.596	4.99

(#) = Out of Range