

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N092721W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Mon Sep 27 14:37:57 2021
 Response Via : Initial Calibration

Calibration Files

5 =VN068699.D 20 =VN068700.D 50 =VN068701.D 100 =VN068702.D 150 =VN068703.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.452	1.743	1.876	1.809	1.834	1.743	9.72
3) M	Chloromethane	2.210	2.287	2.335	2.171	2.155	2.232	3.45
4) M	Vinyl Chloride	2.606	2.744	2.919	2.710	2.783	2.753	4.15
5) M	Bromomethane	2.034	1.803	1.831	1.987	1.871	1.905	5.28
6) M	Chloroethane	2.053	2.008	2.056	1.995	1.944	2.011	2.30
7) M	Trichlorofluorom...	3.275	3.236	3.347	3.107	3.183	3.230	2.82
8) T	Diethyl Ether	1.134	1.124	1.197	1.135	1.166	1.151	2.61
9)	1,1,2-Trichlorot...	1.805	1.789	1.831	1.732	1.760	1.783	2.16
10) M	1,1-Dichloroethene	1.599	1.606	1.705	1.643	1.675	1.646	2.75
11)	Methyl Iodide	1.785	1.945	2.238	2.250	2.322	2.108	10.98
12)	Methyl Acetate	3.548	3.410	3.588	3.484	3.471	3.500	1.97
13) M	Acrolein	0.157	0.083	0.094	0.103	0.108	0.109	26.08
14) M	Acrylonitrile	0.983	1.028	1.094	1.080	1.070	1.051	4.33
15) M	Acetone	0.306	0.291	0.291	0.279	0.268	0.287	4.96
16) M	Carbon Disulfide	4.549	4.460	4.764	4.676	4.741	4.638	2.80
17)	Allyl chloride	3.153	3.166	3.391	3.331	3.335	3.275	3.31
18) M	Methylene Chloride	2.102	1.954	2.097	1.985	1.946	2.017	3.81
19) M	trans-1,2-Dichlo...	1.821	1.825	1.872	1.786	1.834	1.828	1.68
20) T	Diisopropyl ether	6.458	7.609	7.360	7.132	7.477	7.207	6.30
21) M	1,1-Dichloroethane	3.771	4.045	3.802	3.640	3.742	3.800	3.94
22) M	cis-1,2-Dichloro...	2.175	2.191	2.295	2.163	2.247	2.214	2.50
23) M	tert-Butyl Alcohol	0.306	0.333	0.353	0.370	0.374	0.347	8.06
24) M	Methyl tert-Buty...	6.064	6.508	6.574	6.426	6.669	6.448	3.61
25) M	Chloroform	4.005	3.790	4.160	4.555	3.951	4.092	7.10
26)	Cyclohexane	3.107	3.222	4.005	3.470	3.461	3.453	10.02
27) s	1,2-Dichloroetha...	2.550	2.596	2.920	3.132	2.648	2.769	8.97
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.492	0.488	0.617	0.794	0.496	0.577	23.01
30) M	2-Butanone	0.263	0.282	0.300	0.278	0.259	0.277	5.93
31)	2,2-Dichloropropane	0.575	0.580	0.640	0.585	0.554	0.587	5.48
32) M	1,1,1-Trichloroe...	0.600	0.594	0.803	0.685	0.616	0.660	13.37
33) M	Carbon Tetrachlo...	0.517	0.533	0.689	0.821	0.541	0.620	21.24
34) M	Benzene	1.515	1.459	1.714	1.648	1.466	1.560	7.34
35)	Methacrylonitrile	0.271	0.280	0.292	0.305	0.257	0.281	6.55
36) M	1,2-Dichloroethane	0.607	0.570	0.633	0.633	0.595	0.608	4.43
37) M	Trichloroethene	0.382	0.366	0.399	0.402	0.389	0.388	3.75
38)	Methylcyclohexane	0.578	0.583	0.687	0.945	0.770	0.713	21.41
39) M	1,2-Dichloropropane	0.410	0.390	0.425	0.618	0.415	0.451	20.83
40)	Dibromomethane	0.280	0.304	0.293	0.388	0.282	0.310	14.51
41) M	Bromodichloromet...	0.530	0.598	0.602	0.779	0.597	0.621	15.00
42) M	Vinyl Acetate	0.912	1.066	1.059	1.033	0.984	1.011	6.32
43)	Ethyl Acetate	0.496	0.507	0.571	0.582	0.526	0.536	7.16
44)	Isopropyl Acetate	0.922	0.966	1.032	1.069	0.992	0.996	5.72
45) T	1,4-Dioxane	0.006	0.007	0.007	0.010	0.006	0.007#	25.07
46)	Methyl methacrylate	0.361	0.508	0.479	0.736	0.502	0.517	26.33
47)	n-amyl Acetate	0.547	0.668	1.094	1.034	1.204	0.909	31.39
48) M	t-1,3-Dichloropr...	0.583	0.573	0.690	0.768	0.732	0.669	13.06
49) T	cis-1,3-Dichloro...	0.587	0.616	0.704	0.793	0.743	0.689	12.51
50) M	1,1,2-Trichloroe...	0.403	0.362	0.403	0.448	0.456	0.414	9.26
51)	Ethyl methacrylate	0.579	0.570	0.678	0.722	0.712	0.652	11.11
52)	1,3-Dichloropropane	0.628	0.627	0.708	0.702	0.703	0.674	6.29
53) M	Dibromochloromet...	0.394	0.451	0.460	0.678	0.446	0.486	22.80
54) M	1,2-Dibromoethane	0.373	0.373	0.428	0.583	0.390	0.429	20.67
55) M	2-Chloroethyl vi...	0.126	0.142	0.199	0.257	0.213	0.187	28.49
56) M	Bromoform	0.265	0.273	0.398	0.368	0.425	0.346	21.09

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.560	0.646	0.688	0.634	0.736	0.653	10.05
59) M	2-Hexanone	0.410	0.446	0.590	0.487	0.514	0.489	14.01
60) S	4-Bromofluoroben...	0.435	0.468	0.584	0.516	0.678	0.536	18.11
61) M	Tetrachloroethene	0.386	0.356	0.386	0.334	0.390	0.370	6.61
62) M	Toluene	1.855	1.748	2.213	1.709	2.055	1.916	11.15
63) S	Toluene-d8	1.394	1.394	1.508	1.260	1.449	1.401	6.55
64) M	Chlorobenzene	1.063	1.038	1.155	1.139	1.128	1.105	4.63
65)	1,1,1,2-Tetrachl...	0.403	0.439	0.496	0.426	0.523	0.457	11.00
66) M	Ethyl Benzene	1.828	2.029	2.356	2.109	2.637	2.192	14.26
67) M	m/p-Xylenes	0.675	0.706	0.849	0.757	1.199	0.837	25.41
68) M	o-Xylene	0.654	0.749	0.968	0.794	1.173	0.867	23.63
69) M	Styrene	1.018	1.191	1.841	1.334	1.933	1.463	27.59
70)	Isopropylbenzene	1.725	1.897	2.539	2.096	2.965	2.244	22.49
71) M	1,1,2,2-Tetrachl...	0.555	0.599	0.664	0.589	0.800	0.641	15.14
72)	1,2,3-Trichlorop...	0.462	0.598	0.563	0.727	0.709	0.612	17.85
73)	Bromobenzene	0.401	0.469	0.498	0.505	0.632	0.501	16.79
74)	n-propylbenzene	1.906	2.398	2.518	2.791	3.269	2.577	19.51
75)	2-Chlorotoluene	1.163	1.453	1.483	1.411	1.896	1.481	17.84
76)	1,3,5-Trimethylb...	1.391	1.737	1.776	1.640	2.239	1.757	17.56
77)	t-1,4-Dichloro-2...	0.143	0.164	0.253	0.221	0.314	0.219	31.43
78)	4-Chlorotoluene	1.068	1.383	1.501	1.377	1.859	1.438	19.80
79)	tert-butylbenzene	1.189	1.393	1.599	1.481	1.744	1.481	14.16
80)	1,2,4-Trimethylb...	1.306	1.513	1.781	1.608	1.797	1.601	12.71
81)	sec-Butylbenzene	1.655	1.831	2.199	1.976	2.138	1.960	11.39
82)	p-Isopropyltoluene	1.274	1.466	1.892	2.300	1.856	1.758	22.76
83) M	1,3-Dichlorobenzene	0.660	0.714	0.894	1.070	0.871	0.842	19.25
84) M	1,4-Dichlorobenzene	0.623	0.683	0.839	0.897	0.829	0.774	14.94
85)	n-Butylbenzene	0.995	1.180	1.788	1.419	1.619	1.400	22.91
86) T	Hexachloroethane	0.275	0.324	0.380	0.331	0.371	0.336	12.41
87) M	1,2-Dichlorobenzene	0.644	0.691	0.947	0.724	0.791	0.760	15.48
88)	1,2-Dibromo-3-Ch...	0.079	0.101	0.127	0.164	0.135	0.121	26.97
89)	1,2,4-Trichlorob...	0.268	0.321	0.409	0.466	0.441	0.381	22.00
90)	Hexachlorobutadiene	0.189	0.197	0.226	0.225	0.216	0.210	7.93
91) M	Naphthalene	0.514	0.809	1.100	1.260	1.272	0.991	32.85
92)	1,2,3-Trichlorob...	0.242	0.327	0.436	0.377	0.431	0.363	22.28

(#) = Out of Range