

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N091321W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue Sep 14 04:23:31 2021
 Response Via : Initial Calibration

Calibration Files

5 =VN068454.D 20 =VN068455.D 50 =VN068456.D 100 =VN068457.D 150 =VN068458.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.235	1.382	1.413	1.407	1.394	1.366	5.44
3) M	Chloromethane	1.448	1.336	1.353	1.271	1.202	1.322	6.99
4) M	Vinyl Chloride	2.300	2.195	2.187	1.963	1.831	2.095	9.16
5) M	Bromomethane	2.708	2.191	2.075	1.828	1.603	2.081	20.07
6) M	Chloroethane	1.759	1.557	1.558	1.362	1.241	1.495	13.37
7) M	Trichlorofluorom...	2.809	2.585	2.597	2.468	2.453	2.582	5.53
8) T	Diethyl Ether	0.843	0.796	0.823	0.810	0.800	0.814	2.34
9)	1,1,2-Trichlorot...	1.691	1.435	1.448	1.394	1.386	1.471	8.56
10) M	1,1-Dichloroethene	1.483	1.334	1.357	1.320	1.341	1.367	4.84
11)	Methyl Iodide	1.747	1.850	2.218	2.342	2.456	2.123	14.60
12)	Methyl Acetate	1.565	1.400	1.470	1.372	1.302	1.422	7.06
13) M	Acrolein	0.144	0.106	0.107	0.104	0.109	0.114	14.74
14) M	Acrylonitrile	0.621	0.600	0.649	0.617	0.593	0.616	3.53
15) M	Acetone	0.179	0.172	0.174	0.159	0.155	0.168	6.18
16) M	Carbon Disulfide	3.785	3.402	3.598	3.411	3.445	3.528	4.64
17)	Allyl chloride	1.706	1.667	1.808	1.705	1.649	1.707	3.59
18) M	Methylene Chloride	2.009	1.558	1.621	1.515	1.480	1.637	13.12
19) M	trans-1,2-Dichlo...	1.586	1.479	1.572	1.532	1.490	1.532	3.12
20) T	Diisopropyl ether	3.983	3.768	4.062	3.696	3.423	3.786	6.66
21) M	1,1-Dichloroethane	2.778	2.483	2.621	2.410	2.290	2.517	7.51
22) M	cis-1,2-Dichloro...	1.928	1.760	1.912	1.830	1.779	1.842	4.12
23) M	tert-Butyl Alcohol	0.280	0.240	0.259	0.236	0.231	0.249	8.06
24) M	Methyl tert-Buty...	4.769	4.494	4.847	4.679	4.487	4.655	3.47
25) M	Chloroform	3.368	3.011	3.058	2.888	2.734	3.012	7.81
26)	Cyclohexane	2.252	2.085	2.233	2.097	1.972	2.128	5.44
27) s	1,2-Dichloroetha...	1.927	1.896	1.802	1.644	1.589	1.772	8.47
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.414	0.390	0.412	0.404	0.390	0.402	2.88
30) M	2-Butanone	0.159	0.150	0.160	0.152	0.147	0.153	3.68
31)	2,2-Dichloropropane	0.494	0.449	0.470	0.456	0.444	0.463	4.37
32) M	1,1,1-Trichloroe...	0.564	0.526	0.553	0.550	0.537	0.546	2.73
33) M	Carbon Tetrachlo...	0.520	0.483	0.520	0.522	0.507	0.510	3.21
34) M	Benzene	1.274	1.186	1.259	1.224	1.186	1.226	3.30
35)	Methacrylonitrile	0.155	0.147	0.156	0.144	0.138	0.148	5.10
36) M	1,2-Dichloroethane	0.445	0.413	0.427	0.397	0.382	0.413	5.98
37) M	Trichloroethene	0.413	0.363	0.393	0.400	0.396	0.393	4.66
38)	Methylcyclohexane	0.507	0.488	0.532	0.536	0.523	0.517	3.82
39) M	1,2-Dichloropropane	0.306	0.277	0.297	0.286	0.277	0.289	4.41
40)	Dibromomethane	0.249	0.229	0.241	0.238	0.229	0.237	3.53
41) M	Bromodichloromet...	0.468	0.440	0.468	0.464	0.451	0.458	2.76
42) M	Vinyl Acetate	0.557	0.548	0.593	0.578	0.552	0.565	3.37
43)	Ethyl Acetate	0.353	0.309	0.331	0.320	0.305	0.324	6.00
44)	Isopropyl Acetate	0.561	0.547	0.576	0.551	0.535	0.554	2.77
45) T	1,4-Dioxane	0.005	0.005	0.006	0.006	0.006	0.006#	7.59
46)	Methyl methacrylate	0.216	0.210	0.235	0.234	0.225	0.224	4.86
47)	n-amyl Acetate	0.316	0.347	0.422	0.429	0.431	0.389	13.79
48) M	t-1,3-Dichloropr...	0.439	0.427	0.490	0.487	0.478	0.464	6.32
49) T	cis-1,3-Dichloro...	0.495	0.470	0.513	0.513	0.502	0.499	3.59
50) M	1,1,2-Trichloroe...	0.354	0.327	0.352	0.345	0.336	0.343	3.30
51)	Ethyl methacrylate	0.390	0.406	0.474	0.469	0.460	0.440	8.90
52)	1,3-Dichloropropane	0.523	0.493	0.526	0.513	0.493	0.510	3.10
53) M	Dibromochloromet...	0.388	0.386	0.444	0.447	0.442	0.421	7.44
54) M	1,2-Dibromoethane	0.359	0.344	0.383	0.380	0.372	0.367	4.40
55) M	2-Chloroethyl vi...	0.053	0.058	0.079	0.093	0.089	0.074	24.23
56) M	Bromoform	0.273	0.287	0.364	0.380	0.388	0.338	16.00

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.364	0.349	0.368	0.349	0.336	0.353	3.68
59) M	2-Hexanone	0.247	0.237	0.259	0.244	0.236	0.245	3.67
60) S	4-Bromofluoroben...	0.408	0.426	0.438	0.431	0.435	0.428	2.81
61) M	Tetrachloroethene	0.459	0.414	0.435	0.434	0.415	0.431	4.19
62) M	Toluene	1.711	1.513	1.626	1.554	1.490	1.579	5.71
63) S	Toluene-d8	1.366	1.333	1.309	1.283	1.234	1.305	3.83
64) M	Chlorobenzene	1.093	0.981	1.058	1.052	1.024	1.041	4.01
65)	1,1,1,2-Tetrachl...	0.429	0.399	0.442	0.435	0.420	0.425	3.91
66) M	Ethyl Benzene	1.748	1.603	1.782	1.753	1.695	1.716	4.11
67) M	m/p-Xylenes	0.680	0.675	0.749	0.724	0.709	0.707	4.33
68) M	o-Xylene	0.679	0.653	0.732	0.723	0.705	0.698	4.66
69) M	Styrene	1.002	1.044	1.169	1.166	1.155	1.107	7.08
70)	Isopropylbenzene	1.679	1.674	1.875	1.844	1.793	1.773	5.25
71) M	1,1,2,2-Tetrachl...	0.492	0.477	0.495	0.482	0.467	0.483	2.36
72)	1,2,3-Trichlorop...	0.395	0.401	0.420	0.403	0.390	0.402	2.88
73)	Bromobenzene	0.473	0.452	0.530	0.534	0.528	0.503	7.60
74)	n-propylbenzene	1.829	1.803	2.014	1.978	1.937	1.912	4.83
75)	2-Chlorotoluene	1.161	1.095	1.187	1.171	1.140	1.151	3.10
76)	1,3,5-Trimethylb...	1.392	1.396	1.581	1.535	1.498	1.480	5.66
77)	t-1,4-Dichloro-2...	0.114	0.120	0.143	0.145	0.142	0.133	10.94
78)	4-Chlorotoluene	1.069	1.041	1.146	1.138	1.127	1.104	4.20
79)	tert-butylbenzene	1.238	1.278	1.441	1.433	1.410	1.360	6.97
80)	1,2,4-Trimethylb...	1.320	1.350	1.521	1.505	1.466	1.432	6.41
81)	sec-Butylbenzene	1.631	1.688	1.907	1.896	1.867	1.798	7.16
82)	p-Isopropyltoluene	1.335	1.399	1.648	1.673	1.655	1.542	10.51
83) M	1,3-Dichlorobenzene	0.797	0.791	0.934	0.938	0.915	0.875	8.52
84) M	1,4-Dichlorobenzene	0.750	0.744	0.907	0.904	0.886	0.838	10.00
85)	n-Butylbenzene	0.949	0.951	1.154	1.210	1.221	1.097	12.44
86) T	Hexachloroethane	0.252	0.262	0.295	0.303	0.304	0.283	8.51
87) M	1,2-Dichlorobenzene	0.764	0.764	0.912	0.901	0.863	0.841	8.63
88)	1,2-Dibromo-3-Ch...	0.077	0.075	0.088	0.086	0.083	0.082	6.92
89)	1,2,4-Trichlorob...	0.302	0.310	0.445	0.487	0.487	0.406	22.84
90)	Hexachlorobutadiene	0.223	0.216	0.282	0.294	0.270	0.257	13.75
91) M	Naphthalene	0.662	0.662	0.950	1.035	1.072	0.876	22.88
92)	1,2,3-Trichlorob...	0.296	0.307	0.415	0.448	0.447	0.383	19.73

(#) = Out of Range