

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N040425W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Sat Apr 05 00:04:36 2025
 Response Via : Initial Calibration

Calibration Files

5 =VN086228.D 20 =VN086227.D 50 =VN086226.D 100 =VN086225.D 150 =VN086224.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	2.594	3.325	2.693	3.028	2.875	2.903	9.96
3) M	Chloromethane	3.049	3.254	2.671	3.197	2.679	2.970	9.40
4) M	Vinyl Chloride	2.750	3.193	2.653	3.008	2.690	2.859	8.15
5) M	Bromomethane	1.522	1.639	1.309	1.397	1.237	1.421	11.39
6) M	Chloroethane	1.684	1.901	1.550	1.661	1.590	1.677	8.10
7) M	Trichlorofluorom...	4.038	4.324	3.469	3.702	3.884	3.883	8.37
8) T	Diethyl Ether	1.295	1.419	1.177	1.245	1.343	1.296	7.12
9)	1,1,2-Trichlorot...	2.292	2.368	1.858	2.006	2.124	2.130	9.75
10) M	1,1-Dichloroethene	2.164	2.360	1.880	1.977	2.122	2.100	8.76
11)	Methyl Iodide	2.681	2.901	2.422	2.530	2.626	2.632	6.83
12)	Methyl Acetate	2.916	2.698	2.029	2.118	2.280	2.408	15.90
13) M	Acrolein	0.400	0.382	0.321	0.205	0.295	0.321	24.17
14) M	Acrylonitrile	1.117	1.162	0.981	1.010	1.052	1.064	7.05
15) M	Acetone	0.339	0.332	0.265	0.269	0.269	0.295	12.65
16) M	Carbon Disulfide	7.233	6.941	5.677	6.024	5.910	6.357	10.79
17)	Allyl chloride	2.931	3.141	2.594	2.724	2.973	2.873	7.48
18) M	Methylene Chloride	2.457	2.669	2.142	2.259	2.329	2.371	8.51
19) M	trans-1,2-Dichlo...	2.462	2.514	2.049	2.134	2.255	2.283	8.85
20) T	Diisopropyl ether	6.505	7.024	5.740	5.907	6.470	6.329	8.12
21) M	1,1-Dichloroethane	4.535	4.604	3.680	3.912	4.100	4.166	9.55
22) M	cis-1,2-Dichloro...	2.716	3.022	2.386	2.449	2.692	2.653	9.51
23) M	tert-Butyl Alcohol	0.402	0.455	0.355	0.356	0.353	0.384	11.66
24) M	Methyl tert-Buty...	6.993	8.090	6.492	6.795	7.329	7.140	8.57
25) M	Chloroform	4.787	4.851	3.907	4.115	4.366	4.405	9.35
26)	Cyclohexane	3.280	3.667	2.967	3.198	3.597	3.342	8.67
27) s	1,2-Dichloroetha...	2.915	2.940	2.937	2.845	3.007	2.929	1.98
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.555	0.618	0.484	0.535	0.586	0.555	9.18
30) M	2-Butanone	0.243	0.257	0.213	0.230	0.234	0.236	6.92
31)	2,2-Dichloropropane	0.710	0.766	0.617	0.673	0.705	0.694	7.88
32) M	1,1,1-Trichloroe...	0.773	0.821	0.650	0.723	0.748	0.743	8.55
33) M	Carbon Tetrachlo...	0.655	0.694	0.562	0.628	0.664	0.641	7.81
34) M	Benzene	1.825	1.944	1.575	1.744	1.804	1.778	7.58
35)	Methacrylonitrile	0.259	0.274	0.232	0.268	0.261	0.259	6.17
36) M	1,2-Dichloroethane	0.626	0.644	0.527	0.574	0.599	0.594	7.70
37) M	Trichloroethene	0.483	0.483	0.390	0.427	0.471	0.451	9.09
38)	Methylcyclohexane	0.569	0.626	0.536	0.598	0.673	0.600	8.78
39) M	1,2-Dichloropropane	0.452	0.454	0.364	0.413	0.425	0.421	8.68
40)	Dibromomethane	0.310	0.335	0.267	0.289	0.303	0.301	8.38
41) M	Bromodichloromet...	0.665	0.675	0.551	0.605	0.633	0.626	7.96
42) M	Vinyl Acetate	0.810	0.928	0.765	0.842	0.851	0.839	7.14
43)	Ethyl Acetate	0.498	0.538	0.437	0.473	0.469	0.483	7.85
44)	Isopropyl Acetate	0.872	0.877	0.739	0.795	0.826	0.822	7.00
45) T	1,4-Dioxane	0.008	0.009	0.008	0.008	0.008	0.008	7.47
46)	Methyl methacrylate	0.346	0.404	0.329	0.364	0.391	0.367	8.42
47)	n-amyl Acetate	0.569	0.693	0.609	0.656	0.789	0.663	12.74
48) M	t-1,3-Dichloropr...	0.662	0.706	0.581	0.640	0.711	0.660	8.08
49) T	cis-1,3-Dichloro...	0.693	0.754	0.617	0.671	0.728	0.693	7.64
50) M	1,1,2-Trichloroe...	0.427	0.441	0.367	0.402	0.422	0.412	6.95
51)	Ethyl methacrylate	0.569	0.678	0.561	0.604	0.697	0.622	10.10
52)	1,3-Dichloropropane	0.714	0.765	0.631	0.693	0.744	0.709	7.29
53) M	Dibromochloromet...	0.504	0.518	0.418	0.471	0.516	0.486	8.68
54) M	1,2-Dibromoethane	0.413	0.446	0.367	0.399	0.433	0.412	7.52
55) M	2-Chloroethyl vi...	0.292	0.328	0.151	0.054	0.093	0.184	65.95
56) M	Bromoform	0.326	0.357	0.289	0.322	0.364	0.332	9.13

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
 Method File : 624N040425W.M

		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.531	0.573	0.467	0.501	0.510	0.517	7.54
59) M	2-Hexanone	0.383	0.417	0.345	0.369	0.383	0.379	6.83
60) S	4-Bromofluoroben...	0.555	0.590	0.585	0.588	0.623	0.588	4.07
61) M	Tetrachloroethene	0.524	0.548	0.446	0.488	0.530	0.507	7.98
62) M	Toluene	2.110	2.173	1.745	1.889	1.961	1.976	8.71
63) S	Toluene-d8	1.699	1.675	1.666	1.652	1.612	1.661	1.94
64) M	Chlorobenzene	1.353	1.344	1.087	1.162	1.240	1.237	9.31
65)	1,1,1,2-Tetrachl...	0.511	0.494	0.396	0.424	0.453	0.456	10.48
66) M	Ethyl Benzene	2.064	2.327	1.844	2.050	2.341	2.125	9.87
67) M	m/p-Xylenes	0.821	0.943	0.747	0.832	0.915	0.852	9.24
68) M	o-Xylene	0.740	0.901	0.720	0.784	0.883	0.805	10.21
69) M	Styrene	1.230	1.469	1.219	1.339	1.500	1.351	9.67
70)	Isopropylbenzene	1.889	2.227	1.773	1.962	2.205	2.011	9.90
71) M	1,1,2,2-Tetrachl...	0.608	0.613	0.476	0.513	0.504	0.543	11.69
72)	1,2,3-Trichlorop...	0.664	0.574	0.444	0.401	0.519	0.521	20.07
73)	Bromobenzene	0.534	0.548	0.456	0.481	0.537	0.511	7.88
74)	n-propylbenzene	2.176	2.538	2.112	2.337	2.672	2.367	10.01
75)	2-Chlorotoluene	1.494	1.671	1.347	1.492	1.660	1.533	8.82
76)	1,3,5-Trimethylb...	1.577	1.897	1.539	1.740	1.945	1.740	10.51
77)	t-1,4-Dichloro-2...	0.214	0.239	0.200	0.224	0.251	0.226	8.86
78)	4-Chlorotoluene	1.478	1.670	1.361	1.538	1.703	1.550	9.04
79)	tert-butylbenzene	1.295	1.526	1.315	1.426	1.579	1.428	8.78
80)	1,2,4-Trimethylb...	1.564	1.945	1.565	1.787	2.004	1.773	11.64
81)	sec-Butylbenzene	1.839	2.154	1.831	2.035	2.285	2.029	9.75
82)	p-Isopropyltoluene	1.465	1.805	1.554	1.743	1.999	1.713	12.31
83) M	1,3-Dichlorobenzene	0.949	1.030	0.832	0.932	1.066	0.962	9.49
84) M	1,4-Dichlorobenzene	0.972	1.010	0.818	0.922	1.042	0.953	9.19
85)	n-Butylbenzene	1.244	1.464	1.307	1.466	1.738	1.444	13.24
86) T	Hexachloroethane	0.278	0.297	0.254	0.276	0.323	0.285	9.01
87) M	1,2-Dichlorobenzene	0.962	1.004	0.819	0.920	1.018	0.945	8.45
88)	1,2-Dibromo-3-Ch...	0.131	0.133	0.112	0.121	0.137	0.127	8.08
89)	1,2,4-Trichlorob...	0.481	0.484	0.408	0.472	0.561	0.481	11.30
90)	Hexachlorobutadiene	0.309	0.262	0.235	0.268	0.274	0.269	9.88
91) M	Naphthalene	1.453	1.609	1.306	1.496	1.910	1.555	14.56
92)	1,2,3-Trichlorob...	0.481	0.484	0.408	0.472	0.561	0.481	11.30

(#) = Out of Range