

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X030524W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Tue Mar 05 13:21:29 2024
 Response Via : Initial Calibration

Calibration Files

5 =VX040579.D 20 =VX040580.D 50 =VX040581.D 100 =VX040582.D 150 =VX040583.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	2.233	1.810	1.960	2.081	2.089	2.035	7.79
3) M	Chloromethane	2.262	1.907	1.964	2.125	2.166	2.085	7.02
4) M	Vinyl Chloride	2.489	2.023	2.127	2.332	2.294	2.253	8.06
5) M	Bromomethane	1.785	1.465	1.485	1.093	1.053	1.376	22.15
6) M	Chloroethane	1.574	1.096	1.388	1.228	1.332	1.324	13.51
7) M	Trichlorofluorom...	3.536	2.900	3.723	3.478	3.515	3.430	9.08
8) T	Diethyl Ether	1.234	0.990	1.257	1.156	1.186	1.165	9.02
9)	1,1,2-Trichlorot...	2.013	1.675	1.840	1.954	1.914	1.879	6.93
10) M	1,1-Dichloroethene	1.920	1.570	1.737	1.849	1.869	1.789	7.80
11)	Methyl Iodide	2.037	1.858	2.191	2.350	2.383	2.164	10.15
12)	Methyl Acetate	2.840	2.618	3.008	3.111	3.158	2.947	7.48
13) M	Acrolein	0.589	0.483	0.555	0.563	0.588	0.556	7.82
14) M	Acrylonitrile	1.196	1.041	1.150	1.192	1.223	1.160	6.16
15) M	Acetone	0.341	0.318	0.333	0.337	0.329	0.332	2.59
16) M	Carbon Disulfide	5.232	4.243	4.795	5.129	5.185	4.917	8.42
17)	Allyl chloride	3.465	2.924	3.193	3.463	3.463	3.301	7.31
18) M	Methylene Chloride	2.157	1.813	1.984	2.119	2.139	2.043	7.12
19) M	trans-1,2-Dichlo...	1.996	1.745	1.934	2.050	2.041	1.953	6.41
20) T	Diisopropyl ether	6.684	5.844	6.381	6.938	7.167	6.603	7.81
21) M	1,1-Dichloroethane	3.897	3.398	3.730	3.975	3.997	3.799	6.51
22) M	cis-1,2-Dichloro...	2.228	2.046	2.287	2.373	2.406	2.268	6.29
23) M	tert-Butyl Alcohol	0.561	0.471	0.522	0.580	0.608	0.548	9.77
24) M	Methyl tert-Buty...	6.759	5.818	6.419	6.925	7.091	6.602	7.63
25) M	Chloroform	4.296	3.676	4.073	4.347	4.401	4.158	7.14
26)	Cyclohexane	3.174	2.636	3.079	3.241	3.201	3.066	8.09
27) s	1,2-Dichloroetha...	2.970	2.805	2.931	3.131	3.145	2.996	4.77
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.549	0.478	0.518	0.528	0.523	0.519	5.00
30) M	2-Butanone	0.338	0.309	0.309	0.311	0.317	0.317	3.84
31)	2,2-Dichloropropane	0.560	0.535	0.553	0.572	0.581	0.560	3.21
32) M	1,1,1-Trichloroe...	0.699	0.611	0.630	0.662	0.669	0.654	5.27
33) M	Carbon Tetrachlo...	0.565	0.506	0.545	0.567	0.568	0.551	4.80
34) M	Benzene	1.497	1.333	1.370	1.401	1.408	1.402	4.34
35)	Methacrylonitrile	0.327	0.316	0.313	0.334	0.336	0.325	3.22
36) M	1,2-Dichloroethane	0.693	0.627	0.612	0.654	0.655	0.648	4.77
37) M	Trichloroethene	0.424	0.353	0.371	0.355	0.380	0.377	7.61
38)	Methylcyclohexane	0.601	0.532	0.575	0.542	0.545	0.559	5.07
39) M	1,2-Dichloropropane	0.394	0.347	0.361	0.336	0.346	0.357	6.29
40)	Dibromomethane	0.305	0.279	0.285	0.260	0.273	0.280	5.83
41) M	Bromodichloromet...	0.598	0.537	0.564	0.531	0.560	0.558	4.76
42) M	Vinyl Acetate	1.108	1.029	1.067	1.111	1.138	1.091	3.93
43)	Ethyl Acetate	0.647	0.592	0.557	0.581	0.606	0.597	5.60
44)	Isopropyl Acetate	0.961	0.898	0.937	0.970	0.997	0.953	3.92
45) T	1,4-Dioxane	0.011	0.010	0.010	0.009	0.010	0.010	7.82
46)	Methyl methacrylate	0.475	0.464	0.472	0.468	0.486	0.473	1.76
47)	n-amyl Acetate	0.700	0.702	0.876	0.935	0.892	0.821	13.58
48) M	t-1,3-Dichloropr...	0.601	0.536	0.606	0.593	0.612	0.590	5.20
49) T	cis-1,3-Dichloro...	0.625	0.561	0.621	0.589	0.606	0.601	4.32
50) M	1,1,2-Trichloroe...	0.414	0.360	0.369	0.354	0.365	0.372	6.36
51)	Ethyl methacrylate	0.580	0.563	0.603	0.583	0.602	0.586	2.87
52)	1,3-Dichloropropane	0.693	0.621	0.652	0.608	0.604	0.636	5.85
53) M	Dibromochloromet...	0.438	0.401	0.426	0.432	0.426	0.425	3.32
54) M	1,2-Dibromoethane	0.434	0.395	0.415	0.424	0.394	0.412	4.27
55) M	2-Chloroethyl vi...	0.310	0.299	0.300	0.286	0.298	0.299	2.89
56) M	Bromoform	0.259	0.266	0.319	0.334	0.328	0.301	11.89

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.664	0.707	0.670	0.621	0.678	0.668	4.63
59) M	2-Hexanone	0.522	0.557	0.535	0.542	0.542	0.540	2.34
60) S	4-Bromofluoroben...	0.443	0.506	0.544	0.536	0.543	0.515	8.30
61) M	Tetrachloroethene	0.392	0.370	0.368	0.313	0.338	0.356	8.65
62) M	Toluene	1.745	1.725	1.674	1.490	1.627	1.652	6.14
63) S	Toluene-d8	1.288	1.478	1.338	1.223	1.302	1.326	7.12
64) M	Chlorobenzene	1.043	0.944	1.038	1.011	1.013	1.010	3.90
65)	1,1,1,2-Tetrachl...	0.380	0.355	0.404	0.386	0.401	0.385	5.13
66) M	Ethyl Benzene	1.945	1.761	1.979	1.914	1.926	1.905	4.41
67) M	m/p-Xylenes	0.698	0.651	0.736	0.717	0.715	0.704	4.54
68) M	o-Xylene	0.635	0.638	0.711	0.699	0.703	0.677	5.48
69) M	Styrene	0.998	1.077	1.202	1.198	1.214	1.138	8.45
70)	Isopropylbenzene	1.707	1.703	1.907	1.918	1.915	1.830	6.25
71) M	1,1,2,2-Tetrachl...	0.588	0.611	0.662	0.676	0.671	0.642	6.15
72)	1,2,3-Trichlorop...	0.568	0.516	0.566	0.660	0.576	0.577	9.01
73)	Bromobenzene	0.412	0.405	0.446	0.447	0.456	0.433	5.35
74)	n-propylbenzene	2.107	2.070	2.379	2.367	2.377	2.260	6.95
75)	2-Chlorotoluene	1.273	1.222	1.393	1.390	1.429	1.341	6.62
76)	1,3,5-Trimethylb...	1.419	1.472	1.650	1.680	1.834	1.611	10.39
77)	t-1,4-Dichloro-2...	0.128	0.166	0.187	0.202	0.214	0.179	18.74
78)	4-Chlorotoluene	1.442	1.402	1.646	1.678	1.831	1.600	11.09
79)	tert-butylbenzene	1.308	1.326	1.598	1.571	1.715	1.504	11.90
80)	1,2,4-Trimethylb...	1.415	1.405	1.657	1.652	1.808	1.587	10.94
81)	sec-Butylbenzene	1.821	1.761	2.088	2.037	2.219	1.985	9.59
82)	p-Isopropyltoluene	1.456	1.440	1.679	1.697	1.854	1.625	10.80
83) M	1,3-Dichlorobenzene	0.768	0.767	0.859	0.873	0.948	0.843	9.12
84) M	1,4-Dichlorobenzene	0.817	0.782	0.876	0.881	0.954	0.862	7.66
85)	n-Butylbenzene	1.489	1.399	1.660	1.517	1.840	1.581	10.92
86) T	Hexachloroethane	0.253	0.241	0.297	0.284	0.343	0.284	14.27
87) M	1,2-Dichlorobenzene	0.804	0.755	0.851	0.776	0.909	0.819	7.56
88)	1,2-Dibromo-3-Ch...	0.161	0.157	0.178	0.163	0.200	0.172	10.31
89)	1,2,4-Trichlorob...	0.572	0.503	0.553	0.522	0.608	0.552	7.53
90)	Hexachlorobutadiene	0.229	0.202	0.232	0.212	0.239	0.223	6.91
91) M	Naphthalene	1.753	1.622	1.875	1.704	2.041	1.799	9.07
92)	1,2,3-Trichlorob...	0.559	0.496	0.566	0.500	0.599	0.544	8.22

(#) = Out of Range