

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X061025W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Wed Jun 11 06:20:28 2025
 Response Via : Initial Calibration

Calibration Files

5 =VX046614.D 20 =VX046615.D 50 =VX046616.D 100 =VX046617.D 150 =VX046618.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.938	2.037	1.917	2.061	1.799	1.950	5.37
3) M	Chloromethane	2.074	2.119	1.934	2.075	1.846	2.010	5.74
4) M	Vinyl Chloride	1.964	2.039	1.866	2.045	1.772	1.937	6.05
5) M	Bromomethane	1.292	1.283	1.129	1.091	0.990	1.157	11.20
6) M	Chloroethane	1.143	1.108	1.106	1.162	1.046	1.113	3.99
7) M	Trichlorofluorom...	2.825	2.970	2.572	2.960	2.547	2.775	7.37
8) T	Diethyl Ether	1.052	1.034	0.828	1.024	0.924	0.972	9.75
9)	1,1,2-Trichlorot...	1.957	1.939	1.689	1.916	1.729	1.846	6.87
10) M	1,1-Dichloroethene	1.851	1.842	1.661	1.911	1.690	1.791	6.11
11)	Methyl Iodide	2.305	2.520	2.360	2.641	2.382	2.442	5.61
12)	Methyl Acetate	2.402	3.119	1.734	2.182	1.850	2.257	24.34
13) M	Acrolein	0.228	0.207	0.189	0.261	0.221	0.221	12.19
14) M	Acrylonitrile	0.972	0.976	0.832	0.985	0.873	0.928	7.54
15) M	Acetone	0.210	0.221	0.198	0.231	0.200	0.212	6.57
16) M	Carbon Disulfide	4.793	5.206	4.642	5.359	4.843	4.969	6.06
17)	Allyl chloride	3.327	3.381	2.928	3.483	3.128	3.249	6.81
18) M	Methylene Chloride	2.161	2.078	1.819	2.024	1.799	1.976	8.10
19) M	trans-1,2-Dichlo...	1.935	1.920	1.756	1.939	1.731	1.856	5.58
20) T	Diisopropyl ether	6.089	6.535	5.660	6.592	5.862	6.147	6.66
21) M	1,1-Dichloroethane	3.710	3.704	3.211	3.694	3.291	3.522	7.07
22) M	cis-1,2-Dichloro...	2.201	2.288	2.041	2.261	2.029	2.164	5.64
23) M	tert-Butyl Alcohol	0.182	0.185	0.167	0.211	0.192	0.187	8.57
24) M	Methyl tert-Buty...	5.273	5.726	5.109	5.977	5.269	5.471	6.67
25) M	Chloroform	3.918	3.837	3.244	3.783	3.345	3.625	8.49
26)	Cyclohexane	3.367	3.389	2.899	3.406	3.008	3.214	7.51
27) s	1,2-Dichloroetha...	2.549	2.442	2.160	2.504	2.486	2.428	6.37
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.496	0.515	0.431	0.484	0.433	0.472	8.09
30) M	2-Butanone	0.207	0.225	0.201	0.223	0.196	0.210	6.14
31)	2,2-Dichloropropane	0.428	0.439	0.396	0.441	0.392	0.419	5.69
32) M	1,1,1-Trichloroe...	0.599	0.628	0.537	0.613	0.539	0.583	7.31
33) M	Carbon Tetrachlo...	0.524	0.556	0.490	0.542	0.477	0.518	6.49
34) M	Benzene	1.464	1.500	1.310	1.415	1.244	1.387	7.72
35)	Methacrylonitrile	0.246	0.266	0.255	0.278	0.245	0.258	5.46
36) M	1,2-Dichloroethane	0.570	0.582	0.468	0.536	0.467	0.525	10.41
37) M	Trichloroethene	0.375	0.366	0.339	0.352	0.308	0.348	7.49
38)	Methylcyclohexane	0.584	0.627	0.593	0.624	0.568	0.599	4.24
39) M	1,2-Dichloropropane	0.361	0.369	0.334	0.352	0.314	0.346	6.39
40)	Dibromomethane	0.279	0.278	0.246	0.260	0.230	0.259	8.11
41) M	Bromodichloromet...	0.526	0.576	0.504	0.548	0.480	0.527	7.06
42) M	Vinyl Acetate	0.855	0.868	0.896	1.019	0.901	0.908	7.18
43)	Ethyl Acetate	0.436	0.471	0.420	0.478	0.423	0.446	6.14
44)	Isopropyl Acetate	0.655	0.716	0.628	0.789	0.696	0.697	8.91
45) T	1,4-Dioxane	0.004	0.005	0.004	0.005	0.004	0.004	6.70
46)	Methyl methacrylate	0.354	0.408	0.360	0.414	0.365	0.380	7.50
47)	n-amyl Acetate	0.571	0.565	0.681	0.687	0.613	0.623	9.38
48) M	t-1,3-Dichloropr...	0.444	0.475	0.463	0.517	0.463	0.472	5.78
49) T	cis-1,3-Dichloro...	0.503	0.547	0.515	0.566	0.505	0.527	5.33
50) M	1,1,2-Trichloroe...	0.341	0.352	0.322	0.324	0.291	0.326	7.11
51)	Ethyl methacrylate	0.454	0.517	0.497	0.536	0.473	0.496	6.65
52)	1,3-Dichloropropane	0.580	0.623	0.559	0.569	0.508	0.568	7.30
53) M	Dibromochloromet...	0.375	0.406	0.388	0.398	0.354	0.384	5.34
54) M	1,2-Dibromoethane	0.362	0.362	0.340	0.346	0.304	0.343	6.95
55) M	2-Chloroethyl vi...	0.252	0.286	0.268	0.296	0.193	0.259	15.64
56) M	Bromoform	0.226	0.249	0.241	0.249	0.222	0.237	5.26

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		-----ISTD-----						
57) I	Chlorobenzene-d5							
58) M	4-Methyl-2-Penta...	0.489	0.521	0.452	0.520	0.457	0.488	6.78
59) M	2-Hexanone	0.327	0.369	0.337	0.365	0.323	0.344	6.26
60) S	4-Bromofluoroben...	0.515	0.506	0.505	0.497	0.505	0.506	1.22
61) M	Tetrachloroethene	0.346	0.332	0.299	0.312	0.283	0.314	8.04
62) M	Toluene	1.663	1.749	1.544	1.682	1.492	1.626	6.47
63) S	Toluene-d8	1.359	1.354	1.307	1.342	1.337	1.340	1.51
64) M	Chlorobenzene	1.106	1.099	1.014	1.067	0.957	1.049	5.96
65)	1,1,1,2-Tetrachl...	0.348	0.370	0.348	0.366	0.326	0.351	5.01
66) M	Ethyl Benzene	1.878	1.964	1.821	1.919	1.700	1.856	5.49
67) M	m/p-Xylenes	0.688	0.734	0.681	0.704	0.626	0.687	5.73
68) M	o-Xylene	0.665	0.703	0.652	0.676	0.610	0.661	5.17
69) M	Styrene	1.121	1.225	1.110	1.167	1.043	1.133	5.96
70)	Isopropylbenzene	1.841	1.878	1.745	1.795	1.612	1.774	5.83
71) M	1,1,2,2-Tetrachl...	0.571	0.565	0.502	0.513	0.456	0.521	9.12
72)	1,2,3-Trichlorop...	0.465	0.466	0.423	0.434	0.388	0.435	7.48
73)	Bromobenzene	0.447	0.435	0.402	0.420	0.375	0.416	6.83
74)	n-propylbenzene	2.146	2.267	2.103	2.165	1.926	2.122	5.88
75)	2-Chlorotoluene	1.335	1.363	1.235	1.279	1.139	1.270	6.96
76)	1,3,5-Trimethylb...	1.536	1.580	1.447	1.489	1.319	1.474	6.78
77)	t-1,4-Dichloro-2...	0.132	0.145	0.144	0.164	0.150	0.147	7.86
78)	4-Chlorotoluene	1.528	1.596	1.430	1.472	1.321	1.469	7.07
79)	tert-butylbenzene	1.519	1.569	1.436	1.502	1.325	1.470	6.40
80)	1,2,4-Trimethylb...	1.493	1.565	1.423	1.482	1.317	1.456	6.37
81)	sec-Butylbenzene	1.963	2.011	1.841	1.893	1.699	1.881	6.43
82)	p-Isopropyltoluene	1.559	1.660	1.527	1.564	1.411	1.544	5.80
83) M	1,3-Dichlorobenzene	0.833	0.825	0.753	0.768	0.691	0.774	7.49
84) M	1,4-Dichlorobenzene	0.850	0.837	0.745	0.766	0.695	0.779	8.31
85)	n-Butylbenzene	1.513	1.603	1.461	1.499	1.362	1.488	5.88
86) T	Hexachloroethane	0.267	0.279	0.262	0.283	0.250	0.268	5.01
87) M	1,2-Dichlorobenzene	0.808	0.799	0.721	0.740	0.656	0.745	8.32
88)	1,2-Dibromo-3-Ch...	0.101	0.112	0.106	0.116	0.102	0.108	6.14
89)	1,2,4-Trichlorob...	0.490	0.516	0.473	0.516	0.460	0.491	5.12
90)	Hexachlorobutadiene	0.230	0.228	0.209	0.215	0.199	0.216	5.96
91) M	Naphthalene	1.505	1.617	1.534	1.649	1.484	1.558	4.61
92)	1,2,3-Trichlorob...	0.485	0.511	0.464	0.504	0.446	0.482	5.62

(#) = Out of Range