

Method Path : Z:\VOASRV\HPCHEM1\MSV0A X\METHOD\
 Method File : 624X021319W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Wed Feb 13 07:51:18 2019
 Response Via : Initial Calibration

Calibration Files

5 =VX007499.D 20 =VX007500.D 50 =VX007501.D
 100 =VX007502.D 150 =VX007503.D

	Compound	5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	1.507	1.506	1.506	1.554	1.524	1.519	1.37
3) M	Chloromethane	1.656	1.677	1.645	1.690	1.681	1.670	1.13
4) M	Vinyl Chloride	1.928	1.831	1.842	1.912	1.878	1.878	2.25
5) M	Bromomethane	1.743	1.461	1.685	1.759	1.736	1.677	7.39
6) M	Chloroethane	1.268	1.193	1.180	1.218	1.525	1.277	11.17
7) M	Trichlorofluorometh	2.906	2.884	2.830	3.040	3.061	2.944	3.44
8) T	Diethyl Ether	1.204	1.144	1.127	1.201	1.204	1.176	3.19
9)	1,1,2-Trichlorotrif	1.703	1.609	1.611	1.685	1.697	1.661	2.84
10) M	1,1-Dichloroethene	1.599	1.621	1.593	1.706	1.722	1.648	3.71
11)	Methyl Iodide	1.840	2.207	2.431	2.678	2.687	2.369	15.03
12)	Methyl Acetate	2.745	2.126	2.066	2.213	2.214	2.273	11.94
13) M	Acrolein	0.392	0.365	0.380	0.417	0.427	0.396	6.51
14) M	Acrylonitrile	1.048	1.027	1.033	1.065	1.063	1.047	1.65
15) M	Acetone	0.291	0.280	0.279	0.286	0.285	0.284	1.79
16) M	Carbon Disulfide	3.799	4.165	4.360	4.704	4.825	4.371	9.48
17)	Allyl chloride	2.744	2.681	2.719	2.975	2.999	2.824	5.35
18) M	Methylene Chloride	1.948	1.810	1.800	1.850	1.860	1.853	3.17
19) M	trans-1,2-Dichloroe	1.753	1.689	1.715	1.822	1.836	1.763	3.66
20) T	Diisopropyl ether	5.255	5.221	5.212	5.532	5.463	5.337	2.81
21) M	1,1-Dichloroethane	3.059	2.921	2.915	3.039	3.026	2.992	2.29
22) M	cis-1,2-Dichloroeth	1.919	1.938	1.929	2.021	2.001	1.962	2.35
23) M	tert-Butyl Alcohol	0.441	0.426	0.427	0.449	0.458	0.440	3.17
24) M	Methyl tert-Butyl E	5.703	5.549	5.502	5.886	5.959	5.720	3.51
25) M	Chloroform	3.219	3.071	3.101	3.225	3.184	3.160	2.23
26)	Cyclohexane	2.300	2.468	2.502	2.638	2.636	2.509	5.58
27) s	1,2-Dichloroethane-	1.916	1.944	1.880	1.989	1.974	1.941	2.27

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.412	0.411	0.419	0.428	0.422	0.418	1.67
30) M	2-Butanone	0.250	0.248	0.251	0.247	0.243	0.248	1.24
31)	2,2-Dichloropropane	0.336	0.332	0.339	0.347	0.346	0.340	1.93
32) M	1,1,1-Trichloroetha	0.487	0.491	0.498	0.514	0.511	0.500	2.42
33) M	Carbon Tetrachlorid	0.431	0.420	0.436	0.462	0.461	0.442	4.21
34) M	Benzene	1.397	1.298	1.296	1.318	1.287	1.319	3.41
35)	Methacrylonitrile	0.265	0.250	0.255	0.259	0.258	0.257	2.22
36) M	1,2-Dichloroethane	0.486	0.440	0.439	0.447	0.434	0.449	4.71
37) M	Trichloroethene	0.394	0.373	0.372	0.381	0.377	0.379	2.30
38)	Methylcyclohexane	0.473	0.472	0.485	0.497	0.496	0.484	2.52
39) M	1,2-Dichloropropane	0.346	0.322	0.324	0.327	0.323	0.328	3.03
40)	Dibromomethane	0.243	0.238	0.233	0.238	0.234	0.237	1.60
41) M	Bromodichloromethan	0.399	0.401	0.423	0.441	0.440	0.421	4.84
42) M	Vinyl Acetate	0.812	0.866	0.874	0.895	0.887	0.867	3.79
43)	Ethyl Acetate	0.471	0.473	0.477	0.482	0.469	0.474	1.06
44)	Isopropyl Acetate	0.708	0.701	0.736	0.762	0.754	0.732	3.71
45) T	1,4-Dioxane	0.008	0.009	0.009	0.009	0.009	0.009#	2.64
46)	Methyl methacrylate	0.359	0.358	0.377	0.380	0.379	0.371	2.93
47)	n-amyl Acetate	0.555	0.616	0.664	0.682	0.711	0.645	9.48
48) M	t-1,3-Dichloroprope	0.365	0.400	0.447	0.478	0.480	0.434	11.56
49) T	cis-1,3-Dichloropro	0.430	0.463	0.492	0.519	0.514	0.483	7.70
50) M	1,1,2-Trichloroetha	0.352	0.345	0.348	0.349	0.335	0.346	1.91
51)	Ethyl methacrylate	0.483	0.494	0.510	0.510	0.508	0.501	2.39
52)	1,3-Dichloropropane	0.577	0.556	0.553	0.559	0.541	0.557	2.34

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	Compound	5	20	50	100	150	Avg	%RSD
53) M	Dibromochloromethan	0.317	0.338	0.372	0.385	0.385	0.359	8.55
54) M	1,2-Dibromoethane	0.388	0.373	0.378	0.382	0.371	0.378	1.83
55) M	2-Chloroethyl vinyl	0.242	0.249	0.254	0.264	0.264	0.255	3.81
56) M	Bromoform	0.215	0.250	0.284	0.297	0.310	0.271	14.20
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.518	0.547	0.544	0.537	0.552	0.540	2.43
59) M	2-Hexanone	0.382	0.413	0.414	0.409	0.431	0.410	4.27
60) S	4-Bromofluorobenzen	0.447	0.464	0.460	0.453	0.477	0.460	2.44
61) M	Tetrachloroethene	0.453	0.423	0.417	0.419	0.417	0.426	3.55
62) M	Toluene	1.692	1.616	1.599	1.620	1.643	1.634	2.19
63) S	Toluene-d8	1.365	1.373	1.340	1.347	1.355	1.356	0.99
64) M	Chlorobenzene	1.106	1.056	1.055	1.033	1.058	1.062	2.52
65)	1,1,1,2-Tetrachloro	0.368	0.376	0.379	0.400	0.400	0.385	3.84
66) M	Ethyl Benzene	1.700	1.692	1.755	1.748	1.774	1.734	2.06
67) M	m/p-Xylenes	0.657	0.659	0.687	0.689	0.707	0.680	3.14
68) M	o-Xylene	0.655	0.647	0.664	0.669	0.681	0.663	1.98
69) M	Styrene	0.994	1.035	1.095	1.092	1.135	1.070	5.19
70)	Isopropylbenzene	1.687	1.704	1.783	1.763	1.811	1.750	3.01
71) M	1,1,2,2-Tetrachloro	0.595	0.579	0.566	0.558	0.595	0.578	2.87
72)	1,2,3-Trichloroprop	0.529	0.531	0.529	0.520	0.536	0.529	1.10
73)	Bromobenzene	0.474	0.468	0.479	0.476	0.492	0.478	1.87
74)	n-propylbenzene	1.823	1.883	1.986	1.978	2.043	1.943	4.54
75)	2-Chlorotoluene	1.166	1.132	1.169	1.151	1.189	1.162	1.85
76)	1,3,5-Trimethylbenz	1.354	1.387	1.446	1.442	1.512	1.428	4.24
77)	t-1,4-Dichloro-2-bu	0.114	0.137	0.157	0.169	0.185	0.153	18.08
78)	4-Chlorotoluene	1.268	1.268	1.327	1.342	1.425	1.326	4.90
79)	tert-butylbenzene	1.387	1.466	1.563	1.548	1.619	1.517	5.97
80)	1,2,4-Trimethylbenz	1.380	1.419	1.473	1.457	1.521	1.450	3.71
81)	sec-Butylbenzene	1.604	1.656	1.744	1.717	1.808	1.706	4.62
82)	p-Isopropyltoluene	1.387	1.466	1.563	1.548	1.619	1.517	5.97
83) M	1,3-Dichlorobenzene	0.814	0.820	0.844	0.839	0.882	0.840	3.16
84) M	1,4-Dichlorobenzene	0.806	0.822	0.829	0.845	0.888	0.838	3.74
85)	n-Butylbenzene	1.065	1.176	1.284	1.332	1.437	1.259	11.38
86) T	Hexachloroethane	0.200	0.236	0.258	0.274	0.291	0.252	14.05
87) M	1,2-Dichlorobenzene	0.833	0.828	0.832	0.834	0.888	0.843	2.98
88)	1,2-Dibromo-3-Chlor	0.105	0.113	0.121	0.129	0.136	0.121	10.02
89)	1,2,4-Trichlorobenz	0.475	0.523	0.561	0.580	0.630	0.554	10.63
90)	Hexachlorobutadiene	0.242	0.247	0.261	0.262	0.281	0.259	5.97
91) M	Naphthalene	1.518	1.695	1.804	1.847	1.964	1.766	9.55
92)	1,2,3-Trichlorobenz	0.510	0.533	0.565	0.582	0.624	0.563	7.85

(#) = Out of Range