

Method Path : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\
 Method File : 624X072718W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Fri Jul 27 16:17:43 2018
 Response Via : Initial Calibration

Calibration Files

5 =VX003713.D 20 =VX003714.D 50 =VX003715.D
 100 =VX003716.D 150 =VX003717.D

	Compound	5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	2.148	1.431	1.374	1.576	1.394	1.585	20.50
3) M	Chloromethane	2.658	1.932	1.948	2.182	1.943	2.133	14.63
4) M	Vinyl Chloride	2.781	2.033	2.006	2.315	2.080	2.243	14.48
5) M	Bromomethane	1.703	1.143	1.196	1.321		1.341	18.88
6) M	Chloroethane	1.868	1.339	1.279	1.558	1.297	1.468	17.03
7) M	Trichlorofluorometh	3.746	2.696	2.717	3.129	2.796	3.017	14.69
8) T	Diethyl Ether	1.618	1.157	1.150	1.331	1.210	1.293	15.12
9)	1,1,2-Trichlorotrif	2.326	1.658	1.633	1.876	1.653	1.829	16.11
10) M	1,1-Dichloroethene	2.108	1.546	1.542	1.792	1.612	1.720	13.91
11)	Methyl Iodide	2.404	2.123	2.217	2.654	2.523	2.384	9.11
12)	Methyl Acetate	3.522	2.978	3.007	3.416	2.989	3.182	8.31
13) M	Acrolein	0.153	0.254	0.257	0.304	0.274	0.248	22.95
14) M	Acrylonitrile	1.495	1.150	1.145	1.310	1.169	1.254	12.03
15) M	Acetone	0.431	0.313	0.304	0.350	0.303	0.340	15.95
16) M	Carbon Disulfide	5.658	4.231	4.301	5.065	4.628	4.776	12.42
17)	Allyl chloride	4.240	3.207	3.271	3.759	3.322	3.560	12.30
18) M	Methylene Chloride	2.567	1.866	1.822	2.065	1.867	2.037	15.24
19) M	trans-1,2-Dichloroe	2.289	1.697	1.678	1.911	1.721	1.859	13.86
20) T	Diisopropyl ether	7.174	6.058	6.147	7.007	6.298	6.537	7.89
21) M	1,1-Dichloroethane	4.528	3.373	3.369	3.830	3.402	3.701	13.55
22) M	cis-1,2-Dichloroeth	2.007	1.826	1.802	1.856	1.897	1.877	4.29
23) M	tert-Butyl Alcohol	0.620	0.489	0.482	0.555	0.488	0.527	11.40
24) M	Methyl tert-Butyl E	7.503	5.549	5.611	6.455	5.726	6.169	13.45
25) M	Chloroform	3.507	3.147	3.072	3.153	3.144	3.205	5.37
26)	Cyclohexane	2.764	2.642	2.719	2.925	2.850	2.780	3.98
27) s	1,2-Dichloroethane-	2.329	2.099	2.131	2.264	2.189	2.202	4.29

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.468	0.436	0.436	0.440	0.437	0.443	3.13
30) M	2-Butanone	0.302	0.291	0.279	0.271	0.272	0.283	4.72
31)	2,2-Dichloropropane	0.483	0.429	0.424	0.408	0.402	0.429	7.40
32) M	1,1,1-Trichloroetha	0.543	0.498	0.498	0.498	0.498	0.507	3.98
33) M	Carbon Tetrachlorid	0.459	0.439	0.431	0.436	0.438	0.440	2.46
34) M	Benzene	1.465	1.369	1.357	1.307	1.307	1.361	4.75
35)	Methacrylonitrile	0.311	0.291	0.288	0.290	0.290	0.294	3.21
36) M	1,2-Dichloroethane	0.557	0.484	0.473	0.477	0.456	0.489	8.00
37) M	Trichloroethene	0.372	0.351	0.342	0.368	0.341	0.355	4.15
38)	Methylcyclohexane	0.498	0.486	0.499	0.522	0.513	0.503	2.84
39) M	1,2-Dichloropropane	0.385	0.356	0.354	0.355	0.348	0.360	4.10
40)	Dibromomethane	0.255	0.232	0.225	0.229	0.223	0.233	5.63
41) M	Bromodichloromethan	0.460	0.428	0.432	0.463	0.440	0.445	3.66
42) M	Vinyl Acetate	1.328	1.000	1.020	1.099	0.988	1.087	13.02
43)	Ethyl Acetate	0.569	0.534	0.517	0.513	0.510	0.528	4.61
44)	Isopropyl Acetate	0.830	0.791	0.797	0.822	0.813	0.811	2.01
45) T	1,4-Dioxane	0.009	0.009	0.009	0.009	0.009	0.009#	2.41
46)	Methyl methacrylate	0.399	0.408	0.422	0.434	0.428	0.418	3.47
47)	n-amyl Acetate	0.804	0.690	0.733	0.790	0.809	0.765	6.75
48) M	t-1,3-Dichloroprope	0.577	0.518	0.530	0.527	0.546	0.540	4.27
49) T	cis-1,3-Dichloropro	0.552	0.456	0.488	0.515	0.521	0.506	7.17
50) M	1,1,2-Trichloroetha	0.462	0.349	0.347	0.348	0.341	0.370	14.08
51)	Ethyl methacrylate	0.609	0.501	0.532	0.566	0.574	0.556	7.42
52)	1,3-Dichloropropane	0.757	0.575	0.574	0.594	0.574	0.615	13.02

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	Compound	5	20	50	100	150	Avg	%RSD
53) M	Dibromochloromethan	0.414	0.329	0.342	0.364	0.365	0.363	8.89
54) M	1,2-Dibromoethane	0.469	0.357	0.358	0.387	0.362	0.386	12.38
55) M	2-Chloroethyl vinyl	0.307	0.274	0.282	0.280	0.292	0.287	4.46
56) M	Bromoform	0.311	0.248	0.267	0.277	0.305	0.282	9.44
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.493	0.600	0.588	0.568	0.584	0.566	7.56
59) M	2-Hexanone	0.410	0.460	0.456	0.469	0.460	0.451	5.24
60) S	4-Bromofluorobenzen	0.469	0.479	0.487	0.485	0.496	0.483	2.11
61) M	Tetrachloroethene	0.393	0.341	0.334	0.347	0.331	0.349	7.26
62) M	Toluene	1.631	1.603	1.565	1.466	1.519	1.557	4.23
63) S	Toluene-d8	1.354	1.406	1.382	1.288	1.328	1.351	3.43
64) M	Chlorobenzene	1.062	1.018	0.989	0.971	0.991	1.006	3.54
65)	1,1,1,2-Tetrachloro	0.357	0.357	0.355	0.348	0.363	0.356	1.53
66) M	Ethyl Benzene	1.662	1.704	1.708	1.752	1.742	1.713	2.09
67) M	m/p-Xylenes	0.642	0.664	0.669	0.649	0.675	0.660	2.06
68) M	o-Xylene	0.614	0.629	0.637	0.620	0.656	0.631	2.56
69) M	Styrene	0.978	1.069	1.098	1.072	1.128	1.069	5.23
70)	Isopropylbenzene	1.637	1.710	1.732	1.865	1.748	1.738	4.74
71) M	1,1,2,2-Tetrachloro	0.615	0.616	0.600	0.659	0.613	0.621	3.63
72)	1,2,3-Trichloroprop	0.509	0.515	0.505	0.550	0.502	0.516	3.74
73)	Bromobenzene	0.481	0.451	0.447	0.502	0.461	0.468	4.94
74)	n-propylbenzene	1.929	2.014	2.051	2.178	2.066	2.048	4.40
75)	2-Chlorotoluene	1.233	1.203	1.191	1.210	1.198	1.207	1.34
76)	1,3,5-Trimethylbenz	1.394	1.449	1.477	1.538	1.519	1.475	3.89
77)	t-1,4-Dichloro-2-bu	0.143	0.165	0.177	0.195	0.200	0.176	13.13
78)	4-Chlorotoluene	1.388	1.392	1.393	1.451	1.436	1.412	2.07
79)	tert-butylbenzene	1.393	1.491	1.546	1.560	1.598	1.518	5.24
80)	1,2,4-Trimethylbenz	1.389	1.492	1.520	1.599	1.549	1.510	5.18
81)	sec-Butylbenzene	1.615	1.676	1.721	1.805	1.772	1.718	4.39
82)	p-Isopropyltoluene	1.393	1.491	1.546	1.560	1.598	1.518	5.24
83) M	1,3-Dichlorobenzene	0.885	0.844	0.838	0.840	0.871	0.856	2.47
84) M	1,4-Dichlorobenzene	0.883	0.851	0.845	0.847	0.881	0.861	2.22
85)	n-Butylbenzene	1.179	1.278	1.368	1.440	1.471	1.347	8.91
86) T	Hexachloroethane	0.219	0.234	0.245	0.255	0.270	0.245	7.97
87) M	1,2-Dichlorobenzene	0.865	0.846	0.843	0.850	0.889	0.859	2.20
88)	1,2-Dibromo-3-Chlor	0.115	0.124	0.135	0.139	0.143	0.131	8.80
89)	1,2,4-Trichlorobenz	0.582	0.577	0.605	0.613	0.639	0.603	4.13
90)	Hexachlorobutadiene	0.287	0.270	0.269	0.266	0.275	0.273	3.00
91) M	Naphthalene	1.579	1.809	1.933	1.949	1.945	1.843	8.59
92)	1,2,3-Trichlorobenz	0.607	0.610	0.622	0.621	0.611	0.614	1.15

(#) = Out of Range