

Method Path : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\
 Method File : 624X100218W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Wed Oct 03 04:49:12 2018
 Response Via : Initial Calibration

Calibration Files

5 =VX004910.D 20 =VX004911.D 50 =VX004912.D
 100 =VX004913.D 200 =VX004914.D

	Compound	5	20	50	100	200	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	1.716	2.396	2.492	2.571	2.504	2.336	15.08
3) M	Chloromethane	2.104	2.456	2.459	2.500	2.598	2.423	7.75
4) M	Vinyl Chloride	2.119	2.485	2.560	2.659	2.566	2.477	8.47
5) M	Bromomethane	1.106	1.087	1.175	1.267	1.310	1.189	8.21
6) M	Chloroethane	1.472	1.432	1.436	1.491	1.280	1.422	5.87
7) M	Trichlorofluorometh	2.900	3.149	3.212	3.330	3.188	3.156	5.01
8) T	Diethyl Ether	1.226	1.260	1.289	1.343	1.314	1.286	3.54
9)	1,1,2-Trichlorotrif	1.815	1.781	1.802	1.857	1.807	1.812	1.54
10) M	1,1-Dichloroethene	1.652	1.674	1.711	1.788	1.759	1.717	3.32
11)	Methyl Iodide	0.675	1.008	1.406	1.817	2.081	1.398	41.05
12)	Methyl Acetate	3.145	3.511	3.551	3.652	3.449	3.462	5.54
13) M	Acrolein	0.336	0.302	0.307	0.333	0.321	0.320	4.75
14) M	Acrylonitrile	1.387	1.404	1.402	1.474	1.406	1.415	2.42
15) M	Acetone	0.524	0.512	0.478	0.449	0.402	0.473	10.47
16) M	Carbon Disulfide	4.442	4.930	5.113	5.362	5.326	5.035	7.43
17)	Allyl chloride	3.581	3.820	3.923	4.078	3.685	3.817	5.11
18) M	Methylene Chloride	2.027	1.958	1.985	2.043	1.969	1.996	1.85
19) M	trans-1,2-Dichloroe	1.785	1.782	1.836	1.906	1.862	1.834	2.88
20) T	Diisopropyl ether	6.394	6.227	6.484	6.817	6.620	6.509	3.44
21) M	1,1-Dichloroethane	3.599	3.593	3.564	3.647	3.527	3.586	1.23
22) M	cis-1,2-Dichloroeth	1.943	1.960	2.035	2.128	2.079	2.029	3.85
23) M	tert-Butyl Alcohol	0.618	0.675	0.636	0.658	0.678	0.653	3.89
24) M	Methyl tert-Butyl E	6.096	6.202	6.305	6.544	6.396	6.308	2.74
25) M	Chloroform	3.284	3.272	3.390	3.532	3.398	3.375	3.12
26)	Cyclohexane	2.732	3.000	3.115	3.299	3.241	3.078	7.31
27) s	1,2-Dichloroethane-	2.197	2.213	2.276	2.353	2.360	2.280	3.33

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.449	0.445	0.444	0.445	0.436	0.444	1.06
30) M	2-Butanone	0.393	0.384	0.359	0.346	0.322	0.361	7.98
31)	2,2-Dichloropropane	0.503	0.493	0.482	0.486	0.471	0.487	2.44
32) M	1,1,1-Trichloroetha	0.516	0.518	0.510	0.508	0.499	0.510	1.49
33) M	Carbon Tetrachlorid	0.451	0.451	0.447	0.448	0.443	0.448	0.73
34) M	Benzene	1.381	1.376	1.353	1.334	1.292	1.347	2.67
35)	Methacrylonitrile	0.341	0.346	0.338	0.332	0.320	0.335	2.96
36) M	1,2-Dichloroethane	0.516	0.500	0.483	0.471	0.456	0.485	4.88
37) M	Trichloroethene	0.367	0.356	0.354	0.353	0.344	0.355	2.34
38)	Methylcyclohexane	0.508	0.509	0.533	0.546	0.538	0.527	3.29
39) M	1,2-Dichloropropane	0.365	0.363	0.359	0.359	0.350	0.359	1.61
40)	Dibromomethane	0.240	0.234	0.233	0.230	0.225	0.233	2.38
41) M	Bromodichloromethan	0.444	0.448	0.449	0.453	0.449	0.448	0.69
42) M	Vinyl Acetate	1.125	1.058	1.039	1.023	0.977	1.044	5.17
43)	Ethyl Acetate	0.617	0.603	0.602	0.590	0.565	0.595	3.31
44)	Isopropyl Acetate	0.848	0.894	0.893	0.911	0.896	0.888	2.67
45) T	1,4-Dioxane	0.010	0.011	0.011	0.011	0.010	0.010#	3.64
46)	Methyl methacrylate	0.426	0.464	0.468	0.476	0.471	0.461	4.37
47)	n-amyl Acetate	0.711	0.777	0.815	0.861	0.934	0.820	10.29
48) M	t-1,3-Dichloroprope	0.461	0.500	0.521	0.539	0.544	0.513	6.64
49) T	cis-1,3-Dichloropro	0.520	0.563	0.561	0.571	0.566	0.556	3.70
50) M	1,1,2-Trichloroetha	0.362	0.358	0.352	0.348	0.341	0.352	2.34
51)	Ethyl methacrylate	0.494	0.542	0.568	0.587	0.604	0.559	7.75
52)	1,3-Dichloropropane	0.607	0.608	0.591	0.587	0.577	0.594	2.25

Method Path : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\
 Method File : 624X100218W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Wed Oct 03 04:49:12 2018
 Response Via : Initial Calibration

Calibration Files

5 =VX004910.D 20 =VX004911.D 50 =VX004912.D
 100 =VX004913.D 200 =VX004914.D

	Compound	5	20	50	100	200	Avg	%RSD
53) M	Dibromochloromethan	0.347	0.357	0.366	0.376	0.382	0.365	3.87
54) M	1,2-Dibromoethane	0.371	0.373	0.365	0.365	0.362	0.367	1.22
55) M	2-Chloroethyl vinyl	0.281	0.290	0.303	0.302	0.299	0.295	3.08
56) M	Bromoform	0.263	0.285	0.297	0.322	0.358	0.305	12.03
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.633	0.698	0.682	0.689	0.666	0.674	3.81
59) M	2-Hexanone	0.528	0.569	0.561	0.563	0.554	0.555	2.92
60) S	4-Bromofluorobenzen	0.485	0.486	0.495	0.504	0.523	0.499	3.09
61) M	Tetrachloroethene	0.372	0.382	0.371	0.362	0.338	0.365	4.55
62) M	Toluene	1.589	1.617	1.602	1.577	1.499	1.577	2.90
63) S	Toluene-d8	1.368	1.378	1.344	1.321	1.284	1.339	2.83
64) M	Chlorobenzene	1.035	1.031	1.015	1.021	0.988	1.018	1.85
65)	1,1,1,2-Tetrachloro	0.355	0.376	0.372	0.377	0.370	0.370	2.39
66) M	Ethyl Benzene	1.670	1.717	1.740	1.762	1.716	1.721	2.00
67) M	m/p-Xylenes	0.638	0.674	0.681	0.690	0.668	0.670	2.90
68) M	o-Xylene	0.609	0.640	0.659	0.665	0.657	0.646	3.53
69) M	Styrene	0.974	1.077	1.107	1.137	1.136	1.086	6.21
70)	Isopropylbenzene	1.630	1.750	1.751	1.774	1.744	1.730	3.30
71) M	1,1,2,2-Tetrachloro	0.618	0.631	0.631	0.647	0.685	0.643	4.03
72)	1,2,3-Trichloroprop	0.581	0.594	0.582	0.587	0.583	0.585	0.98
73)	Bromobenzene	0.466	0.474	0.469	0.482	0.487	0.476	1.94
74)	n-propylbenzene	1.929	2.033	2.057	2.091	2.068	2.035	3.10
75)	2-Chlorotoluene	1.211	1.238	1.242	1.258	1.259	1.241	1.56
76)	1,3,5-Trimethylbenz	1.387	1.490	1.502	1.536	1.549	1.493	4.27
77)	t-1,4-Dichloro-2-bu	0.143	0.170	0.192	0.217	0.240	0.192	19.69
78)	4-Chlorotoluene	1.388	1.424	1.437	1.464	1.502	1.443	2.98
79)	tert-butylbenzene	1.444	1.564	1.608	1.636	1.668	1.584	5.50
80)	1,2,4-Trimethylbenz	1.381	1.535	1.543	1.561	1.591	1.522	5.37
81)	sec-Butylbenzene	1.653	1.743	1.763	1.812	1.839	1.762	4.08
82)	p-Isopropyltoluene	1.444	1.564	1.608	1.636	1.668	1.584	5.50
83) M	1,3-Dichlorobenzene	0.849	0.860	0.865	0.895	0.928	0.879	3.68
84) M	1,4-Dichlorobenzene	0.875	0.869	0.878	0.899	0.940	0.892	3.23
85)	n-Butylbenzene	1.259	1.373	1.447	1.517	1.598	1.439	9.09
86) T	Hexachloroethane	0.230	0.244	0.253	0.274	0.303	0.261	10.97
87) M	1,2-Dichlorobenzene	0.868	0.869	0.879	0.904	0.950	0.894	3.87
88)	1,2-Dibromo-3-Chlor	0.133	0.146	0.145	0.154	0.164	0.148	7.71
89)	1,2,4-Trichlorobenz	0.603	0.626	0.667	0.696	0.743	0.667	8.33
90)	Hexachlorobutadiene	0.332	0.312	0.321	0.331	0.350	0.329	4.32
91) M	Naphthalene	1.752	2.003	2.146	2.201	2.265	2.073	9.84
92)	1,2,3-Trichlorobenz	0.653	0.652	0.680	0.700	0.733	0.684	5.01

(#) = Out of Range