

Method Path : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\
 Method File : 624N092818W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Sat Sep 29 01:07:29 2018
 Response Via : Initial Calibration

Calibration Files

5 =VN051613.D 20 =VN051614.D 50 =VN051609.D
 100 =VN051610.D 150 =VN051611.D 10 =VN051615.D

	Compound	5	20	50	100	150	10	Avg	%RSD
1) I	Bromochloromethane	-----ISTD-----							
2) M	Dichlorodifluorom	2.015	2.904	2.761	2.655	2.738	2.724	2.633	11.91
3) M	Chloromethane	2.692	3.163	3.022	2.906	2.998	2.896	2.946	5.34
4) M	Vinyl Chloride	2.628	3.023	2.982	2.910	2.907	2.891	2.890	4.78
5) M	Bromomethane	1.585	1.588	1.438	1.468	1.574	1.355	1.501	6.41
6) M	Chloroethane	1.335	1.647	1.474	1.469	1.418	1.356	1.450	7.74
7) M	Trichlorofluorome	3.378	3.691	3.590	3.450	3.572	3.507	3.531	3.13
8) T	Diethyl Ether	1.094	1.141	1.111	1.115	1.156	1.039	1.109	3.69
9)	1,1,2-Trichlorotr	1.980	2.107	2.008	1.929	1.969	1.983	1.996	3.01
10) M	1,1-Dichloroethen	1.786	1.910	1.820	1.793	1.843	1.717	1.811	3.55
11)	Methyl Iodide	1.592	2.349	2.592	2.674	2.792	1.991	2.332	19.75
12)	Methyl Acetate	1.828	1.683	1.519	1.483	1.538	1.540	1.599	8.24
13) M	Acrolein	0.184	0.171	0.182	0.181	0.192	0.149	0.177	8.59
14) M	Acrylonitrile	0.614	0.662	0.658	0.649	0.681	0.577	0.640	5.89
15) M	Acetone	0.169	0.178	0.178	0.162	0.161	0.160	0.168	4.97
16) M	Carbon Disulfide	6.084	6.047	5.824	5.708	5.869	5.493	5.837	3.76
17)	Allyl chloride	3.027	3.314	3.337	3.343	3.450	2.972	3.240	5.96
18) M	Methylene Chlorid	2.210	2.200	2.072	1.996	2.029	1.989	2.083	4.77
19) M	trans-1,2-Dichlor	1.912	2.025	1.925	1.907	1.944	1.824	1.923	3.36
20) T	Diisopropyl ether	5.756	6.975	6.707	6.540	6.662	5.931	6.428	7.44
21) M	1,1-Dichloroethan	3.893	4.014	3.838	3.711	3.770	3.633	3.810	3.55
22) M	cis-1,2-Dichloroe	1.981	2.215	2.141	2.118	2.182	1.964	2.100	4.98
23) M	tert-Butyl Alcoho	0.128	0.123	0.121	0.122	0.129	0.112	0.122	4.78
24) M	Methyl tert-Butyl	4.347	4.932	4.940	4.923	5.132	4.292	4.761	7.38
25) M	Chloroform	3.633	3.884	3.693	3.548	3.617	3.483	3.643	3.80
26)	Cyclohexane	2.768	3.473	3.514	3.498	3.649	2.880	3.297	11.32
27) s	1,2-Dichloroethan	2.064	2.122	2.091	2.073	2.060	2.123	2.089	1.36
28) I	1,4-Difluorobenzene	-----ISTD-----							
29)	1,1-Dichloroprope	0.494	0.528	0.527	0.530	0.534	0.456	0.512	6.01
30) M	2-Butanone	0.140	0.139	0.144	0.143	0.142	0.127	0.139	4.37
31)	2,2-Dichloropropa	0.550	0.573	0.559	0.558	0.551	0.522	0.552	3.03
32) M	1,1,1-Trichloroet	0.589	0.591	0.574	0.573	0.571	0.549	0.575	2.63
33) M	Carbon Tetrachlor	0.516	0.533	0.517	0.524	0.523	0.487	0.517	3.04
34) M	Benzene	1.524	1.565	1.534	1.526	1.524	1.433	1.518	2.92
35)	Methacrylonitrile	0.133	0.166	0.162	0.154	0.187	0.137	0.157	12.73
36) M	1,2-Dichloroethan	0.513	0.497	0.487	0.481	0.478	0.447	0.484	4.54
37) M	Trichloroethene	0.403	0.392	0.391	0.392	0.393	0.367	0.390	3.03
38)	Methylcyclohexane	0.525	0.589	0.620	0.642	0.658	0.508	0.590	10.47
39) M	1,2-Dichloropropa	0.423	0.432	0.419	0.416	0.416	0.388	0.416	3.55
40)	Dibromomethane	0.238	0.238	0.234	0.231	0.231	0.215	0.231	3.56
41) M	Bromodichlorometh	0.508	0.520	0.509	0.509	0.509	0.470	0.504	3.45
42) M	Vinyl Acetate	0.705	0.789	0.813	0.833	0.840	0.670	0.775	9.16
43)	Ethyl Acetate	0.262	0.308	0.295	0.306	0.314	0.283	0.295	6.57
44)	Isopropyl Acetate	0.631	0.568	0.570	0.586	0.589	0.519	0.577	6.34
45) T	1,4-Dioxane	0.003	0.003	0.003	0.003	0.003	0.003	0.003#	9.81
46)	Methyl methacryla	0.244	0.271	0.282	0.291	0.299	0.223	0.268	10.96
47)	n-amyl Acetate	0.330	0.409	0.465	0.502	0.548	0.336	0.432	20.55
48) M	t-1,3-Dichloropro	0.486	0.500	0.514	0.534	0.552	0.434	0.503	8.26
49) T	cis-1,3-Dichlorop	0.560	0.595	0.605	0.617	0.630	0.524	0.588	6.74
50) M	1,1,2-Trichloroet	0.348	0.336	0.324	0.321	0.322	0.309	0.326	4.13
51)	Ethyl methacrylat	0.344	0.390	0.414	0.440	0.459	0.329	0.396	13.15
52)	1,3-Dichloropropa	0.566	0.574	0.568	0.566	0.571	0.512	0.560	4.21

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	Compound	5	20	50	100	150	10	Avg	%RSD
53) M	Dibromochlorometh	0.374	0.375	0.377	0.382	0.385	0.337	0.372	4.70
54) M	1,2-Dibromoethane	0.311	0.315	0.319	0.320	0.330	0.284	0.313	4.94
55) M	2-Chloroethyl vin	0.161	0.198	0.206	0.220	0.224	0.165	0.196	13.70
56) M	Bromoform	0.242	0.246	0.252	0.260	0.267	0.213	0.247	7.57
57) I	Chlorobenzene-d5	-----ISTD-----							
58) M	4-Methyl-2-Pentan	0.336	0.349	0.347	0.342	0.350	0.319	0.341	3.46
59) M	2-Hexanone	0.212	0.229	0.237	0.234	0.239	0.194	0.224	7.86
60) S	4-Bromofluorobenz	0.415	0.454	0.473	0.492	0.493	0.440	0.461	6.74
61) M	Tetrachloroethene	0.460	0.448	0.429	0.411	0.401	0.400	0.425	5.91
62) M	Toluene	1.910	1.905	1.852	1.826	1.815	1.729	1.840	3.63
63) S	Toluene-d8	1.456	1.425	1.411	1.392	1.369	1.441	1.415	2.25
64) M	Chlorobenzene	1.148	1.129	1.116	1.124	1.131	1.025	1.112	3.93
65)	1,1,1,2-Tetrachlo	0.454	0.434	0.425	0.420	0.423	0.392	0.425	4.69
66) M	Ethyl Benzene	1.744	1.909	1.968	2.007	2.023	1.645	1.883	8.18
67) M	m/p-Xylenes	0.654	0.752	0.770	0.772	0.773	0.632	0.726	8.94
68) M	o-Xylene	0.641	0.698	0.724	0.738	0.745	0.608	0.693	8.07
69) M	Styrene	0.931	1.105	1.172	1.195	1.213	0.906	1.087	12.49
70)	Isopropylbenzene	1.660	1.896	1.943	1.974	1.992	1.621	1.848	8.88
71) M	1,1,2,2-Tetrachlo	0.473	0.458	0.445	0.442	0.445	0.418	0.447	4.06
72)	1,2,3-Trichloropr	0.416	0.414	0.381	0.377	0.347	0.358	0.382	7.38
73)	Bromobenzene	0.444	0.458	0.474	0.479	0.490	0.414	0.460	6.00
74)	n-propylbenzene	1.881	2.173	2.289	2.322	2.362	1.878	2.151	10.20
75)	2-Chlorotoluene	1.207	1.321	1.338	1.338	1.356	1.148	1.284	6.68
76)	1,3,5-Trimethylbe	1.385	1.581	1.641	1.648	1.659	1.347	1.544	9.12
77)	t-1,4-Dichloro-2-	0.096	0.116	0.131	0.138	0.146	0.099	0.121	17.19
78)	4-Chlorotoluene	1.126	1.279	1.334	1.369	1.397	1.108	1.269	9.78
79)	tert-butylbenzene	1.209	1.353	1.411	1.437	1.462	1.153	1.338	9.55
80)	1,2,4-Trimethylbe	1.292	1.611	1.662	1.665	1.692	1.330	1.542	11.75
81)	sec-Butylbenzene	1.611	1.885	1.949	1.981	2.024	1.636	1.848	9.71
82)	p-Isopropyltoluen	1.281	1.608	1.710	1.743	1.787	1.346	1.579	13.62
83) M	1,3-Dichlorobenze	0.724	0.798	0.840	0.863	0.889	0.693	0.801	9.76
84) M	1,4-Dichlorobenze	0.641	0.754	0.808	0.830	0.858	0.627	0.753	13.04
85)	n-Butylbenzene	0.954	1.258	1.438	1.518	1.583	1.026	1.296	20.21
86) T	Hexachloroethane	0.321	0.320	0.316	0.322	0.330	0.286	0.316	4.80
87) M	1,2-Dichlorobenze	0.734	0.794	0.824	0.824	0.837	0.690	0.784	7.55
88)	1,2-Dibromo-3-Chl	0.063	0.065	0.066	0.068	0.071	0.057	0.065	7.15
89)	1,2,4-Trichlorobe	0.225	0.334	0.419	0.473	0.524	0.225	0.367	34.45
90)	Hexachlorobutadie	0.305	0.295	0.298	0.294	0.299	0.303	0.299	1.46
91) M	Naphthalene	0.441	0.563	0.780	0.928	1.058	0.363	0.689	40.28
92)	1,2,3-Trichlorobe	0.276	0.339	0.410	0.449	0.490	0.249	0.369	26.24

(#) = Out of Range