

Method Path : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\
 Method File : 624N090919W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Mon Sep 09 12:14:07 2019
 Response Via : Initial Calibration

Calibration Files

5 =VN057787.D 20 =VN057788.D 50 =VN057789.D
 100 =VN057790.D 150 =VN057791.D

	Compound	5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	1.807	1.784	1.798	1.838	1.836	1.813	1.32
3) M	Chloromethane	2.549	2.241	2.275	2.175	2.061	2.260	7.99
4) M	Vinyl Chloride	2.482	2.341	2.344	2.223	2.172	2.312	5.22
5) M	Bromomethane	1.680	1.501	1.392	1.357	1.285	1.443	10.66
6) M	Chloroethane	1.629	1.466	1.442	1.353	1.295	1.437	8.86
7) M	Trichlorofluorometh	2.620	3.014	2.493	2.648	2.584	2.672	7.48
8) T	Diethyl Ether	1.079	1.066	1.100	1.079	1.064	1.078	1.34
9)	1,1,2-Trichlorotrif	1.801	1.659	1.654	1.635	1.591	1.668	4.73
10) M	1,1-Dichloroethene	1.743	1.546	1.570	1.551	1.522	1.586	5.62
11)	Methyl Iodide	2.048	2.058	2.114	2.194	2.198	2.122	3.39
12)	Methyl Acetate	2.246	2.182	2.205	2.180	2.071	2.177	2.98
13) M	Acrolein	0.165	0.106	0.108	0.108	0.105	0.118	22.09
14) M	Acrylonitrile	0.859	0.877	0.923	0.913	0.866	0.887	3.23
15) M	Acetone	0.261	0.269	0.260	0.246	0.223	0.252	7.13
16) M	Carbon Disulfide	3.795	3.447	3.638	3.767	3.823	3.694	4.20
17)	Allyl chloride	2.864	2.768	2.927	2.996	2.979	2.907	3.20
18) M	Methylene Chloride	2.274	1.946	1.966	1.916	1.893	1.999	7.82
19) M	trans-1,2-Dichloroe	1.969	1.723	1.723	1.727	1.698	1.768	6.38
20) T	Diisopropyl ether	6.960	6.590	6.683	6.850	6.894	6.796	2.27
21) M	1,1-Dichloroethane	3.913	3.726	3.749	3.704	3.643	3.747	2.69
22) M	cis-1,2-Dichloroeth	2.284	2.119	2.158	2.145	2.125	2.166	3.13
23) M	tert-Butyl Alcohol	0.273	0.294	0.300	0.301	0.280	0.290	4.33
24) M	Methyl tert-Butyl E	6.371	5.980	6.041	6.076	5.933	6.080	2.82
25) M	Chloroform	4.126	3.729	3.750	3.761	3.707	3.815	4.59
26)	Cyclohexane	3.337	3.037	3.135	3.145	3.087	3.148	3.62
27) s	1,2-Dichloroethane-	2.730	2.780	2.616	2.602	2.539	2.654	3.72

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.488	0.443	0.471	0.476	0.481	0.472	3.66
30) M	2-Butanone	0.208	0.206	0.221	0.220	0.209	0.213	3.38
31)	2,2-Dichloropropane	0.508	0.453	0.496	0.517	0.518	0.498	5.42
32) M	1,1,1-Trichloroetha	0.542	0.499	0.520	0.541	0.551	0.531	3.93
33) M	Carbon Tetrachlorid	0.421	0.391	0.430	0.455	0.467	0.433	6.96
34) M	Benzene	1.496	1.324	1.396	1.405	1.370	1.398	4.52
35)	Methacrylonitrile	0.152	0.172	0.227	0.218	0.219	0.197	16.89
36) M	1,2-Dichloroethane	0.582	0.513	0.542	0.537	0.539	0.543	4.55
37) M	Trichloroethene	0.358	0.318	0.335	0.341	0.346	0.340	4.33
38)	Methylcyclohexane	0.556	0.498	0.535	0.548	0.550	0.537	4.39
39) M	1,2-Dichloropropane	0.432	0.368	0.386	0.389	0.388	0.393	6.00
40)	Dibromomethane	0.244	0.227	0.239	0.243	0.242	0.239	2.89
41) M	Bromodichloromethan	0.468	0.435	0.483	0.505	0.516	0.482	6.59
42) M	Vinyl Acetate	0.865	0.859	0.934	0.871	0.748	0.855	7.86
43)	Ethyl Acetate	0.383	0.419	0.458	0.460	0.451	0.434	7.59
44)	Isopropyl Acetate	0.735	0.689	0.765	0.803	0.793	0.757	6.12
45) T	1,4-Dioxane	0.006	0.005	0.006	0.006	0.006	0.006#	6.18
46)	Methyl methacrylate	0.368	0.335	0.373	0.387	0.386	0.370	5.75
47)	n-amyl Acetate	0.582	0.614	0.737	0.788	0.756	0.695	13.16
48) M	t-1,3-Dichloroprope	0.438	0.445	0.523	0.574	0.583	0.513	13.47
49) T	cis-1,3-Dichloropro	0.546	0.511	0.579	0.616	0.624	0.575	8.24
50) M	1,1,2-Trichloroetha	0.357	0.327	0.342	0.355	0.352	0.346	3.59
51)	Ethyl methacrylate	0.494	0.482	0.552	0.586	0.572	0.537	8.71
52)	1,3-Dichloropropane	0.610	0.569	0.608	0.628	0.615	0.606	3.64

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	Compound	5	20	50	100	150	Avg	%RSD
53) M	Dibromochloromethan	0.304	0.291	0.345	0.383	0.389	0.342	13.04
54) M	1,2-Dibromoethane	0.348	0.316	0.346	0.359	0.355	0.345	4.90
55) M	2-Chloroethyl vinyl	0.232	0.250	0.265	0.279	0.251	0.255	6.90
56) M	Bromoform	0.160	0.173	0.217	0.252	0.258	0.212	21.02
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.473	0.479	0.520	0.468	0.386	0.465	10.47
59) M	2-Hexanone	0.347	0.347	0.381	0.363	0.307	0.349	7.84
60) S	4-Bromofluorobenzen	0.484	0.498	0.519	0.539	0.526	0.513	4.27
61) M	Tetrachloroethene	0.324	0.291	0.299	0.303	0.308	0.305	4.04
62) M	Toluene	1.803	1.624	1.699	1.658	1.521	1.661	6.21
63) S	Toluene-d8	1.455	1.463	1.433	1.429	1.419	1.440	1.28
64) M	Chlorobenzene	1.073	0.987	1.033	1.040	1.020	1.030	3.01
65)	1,1,1,2-Tetrachloro	0.336	0.326	0.361	0.380	0.386	0.358	7.32
66) M	Ethyl Benzene	1.911	1.790	1.938	1.836	1.590	1.813	7.62
67) M	m/p-Xylenes	0.698	0.654	0.708	0.719	0.681	0.692	3.66
68) M	o-Xylene	0.671	0.628	0.687	0.702	0.701	0.678	4.56
69) M	Styrene	1.098	1.072	1.193	1.235	1.181	1.156	5.89
70)	Isopropylbenzene	1.855	1.769	1.915	1.839	1.583	1.792	7.13
71) M	1,1,2,2-Tetrachloro	0.531	0.529	0.586	0.593	0.563	0.560	5.35
72)	1,2,3-Trichloroprop	0.468	0.465	0.512	0.533	0.508	0.497	5.93
73)	Bromobenzene	0.434	0.388	0.430	0.448	0.445	0.429	5.61
74)	n-propylbenzene	2.162	2.047	2.239	2.065	1.724	2.048	9.61
75)	2-Chlorotoluene	1.297	1.192	1.311	1.329	1.248	1.275	4.32
76)	1,3,5-Trimethylbenz	1.524	1.470	1.620	1.597	1.419	1.526	5.52
77)	t-1,4-Dichloro-2-bu	0.099	0.114	0.159	0.181	0.185	0.147	26.52
78)	4-Chlorotoluene	1.258	1.192	1.369	1.390	1.296	1.301	6.23
79)	tert-butylbenzene	1.279	1.270	1.397	1.409	1.302	1.331	4.99
80)	1,2,4-Trimethylbenz	1.506	1.467	1.634	1.595	1.402	1.521	6.20
81)	sec-Butylbenzene	1.820	1.697	1.911	1.836	1.568	1.766	7.64
82)	p-Isopropyltoluene	1.552	1.525	1.729	1.666	1.438	1.582	7.31
83) M	1,3-Dichlorobenzene	0.761	0.728	0.820	0.848	0.831	0.798	6.35
84) M	1,4-Dichlorobenzene	0.743	0.704	0.807	0.847	0.825	0.785	7.62
85)	n-Butylbenzene	1.412	1.401	1.589	1.573	1.397	1.474	6.62
86) T	Hexachloroethane	0.217	0.208	0.257	0.288	0.290	0.252	15.20
87) M	1,2-Dichlorobenzene	0.750	0.703	0.794	0.823	0.800	0.774	6.14
88)	1,2-Dibromo-3-Chlor	0.083	0.086	0.107	0.111	0.106	0.099	13.40
89)	1,2,4-Trichlorobenz	0.416	0.415	0.494	0.521	0.518	0.473	11.31
90)	Hexachlorobutadiene	0.198	0.203	0.222	0.234	0.230	0.217	7.47
91) M	Naphthalene	1.077	1.189	1.423	1.474	1.342	1.301	12.68
92)	1,2,3-Trichlorobenz	0.393	0.405	0.466	0.496	0.495	0.451	10.90

(#) = Out of Range