

Method Path : Z:\VOASRV\HPCHEM1\MSV0A X\METHOD\
 Method File : 624X032520W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Thu Mar 26 02:31:53 2020
 Response Via : Initial Calibration

Calibration Files

5 =VX015346.D 20 =VX015347.D 50 =VX015348.D
 100 =VX015349.D 150 =VX015350.D

	Compound	5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoromet	1.675	1.315	1.365	1.395	1.413	1.433	9.82
3) M	Chloromethane	1.892	1.570	1.742	1.814	1.824	1.768	6.96
4) M	Vinyl Chloride	1.813	1.556	1.676	1.719	1.741	1.701	5.59
5) M	Bromomethane	1.116	1.044	1.005	0.682	0.681	0.905	23.04
6) M	Chloroethane	1.132	1.004	1.056	1.059	1.054	1.061	4.30
7) M	Trichlorofluorometh	2.574	2.290	2.408	2.443	2.439	2.431	4.18
8) T	Diethyl Ether	0.955	0.864	0.931	0.959	0.967	0.935	4.47
9)	1,1,2-Trichlorotrif	1.695	1.520	1.600	1.611	1.616	1.608	3.85
10) M	1,1-Dichloroethene	1.738	1.542	1.616	1.644	1.629	1.634	4.30
11)	Methyl Iodide	1.390	1.909	2.402	2.540	2.613	2.171	23.75
12)	Methyl Acetate	2.509	2.271	2.388	2.405	2.379	2.390	3.55
13) M	Acrolein	0.285	0.299	0.308	0.325	0.338	0.311	6.72
14) M	Acrylonitrile	1.046	0.984	1.031	1.031	1.025	1.023	2.25
15) M	Acetone	0.259	0.254	0.264	0.264	0.261	0.260	1.56
16) M	Carbon Disulfide	4.960	4.509	4.736	4.840	4.831	4.775	3.53
17)	Allyl chloride	3.955	3.494	3.676	3.671	3.645	3.688	4.52
18) M	Methylene Chloride	1.925	1.732	1.835	1.832	1.846	1.834	3.74
19) M	trans-1,2-Dichloroe	1.849	1.677	1.748	1.777	1.784	1.767	3.53
20) T	Diisopropyl ether	6.977	6.380	6.610	6.573	6.533	6.615	3.34
21) M	1,1-Dichloroethane	3.421	3.218	3.380	3.425	3.437	3.377	2.70
22) M	cis-1,2-Dichloroeth	2.074	1.904	2.037	2.076	2.087	2.036	3.72
23) M	tert-Butyl Alcohol	0.527	0.491	0.509	0.495	0.496	0.503	2.90
24) M	Methyl tert-Butyl E	6.353	5.793	6.092	6.052	6.034	6.065	3.28
25) M	Chloroform	3.498	3.146	3.334	3.340	3.369	3.338	3.77
26)	Cyclohexane	3.494	3.045	3.170	3.204	3.217	3.226	5.09
27) s	1,2-Dichloroethane-	2.351	2.362	2.341	2.327	2.340	2.344	0.57

28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.472	0.428	0.453	0.451	0.450	0.451	3.52
30) M	2-Butanone	0.285	0.263	0.273	0.267	0.263	0.270	3.45
31)	2,2-Dichloropropane	0.586	0.526	0.540	0.533	0.528	0.542	4.56
32) M	1,1,1-Trichloroetha	0.571	0.529	0.554	0.550	0.545	0.550	2.78
33) M	Carbon Tetrachlorid	0.529	0.480	0.500	0.499	0.498	0.501	3.47
34) M	Benzene	1.357	1.252	1.305	1.294	1.287	1.299	2.92
35)	Methacrylonitrile	0.317	0.294	0.304	0.306	0.312	0.306	2.79
36) M	1,2-Dichloroethane	0.496	0.493	0.510	0.506	0.504	0.502	1.37
37) M	Trichloroethene	0.378	0.350	0.364	0.365	0.372	0.366	2.89
38)	Methylcyclohexane	0.563	0.531	0.551	0.560	0.558	0.553	2.31
39) M	1,2-Dichloropropane	0.363	0.335	0.349	0.349	0.349	0.349	2.87
40)	Dibromomethane	0.246	0.221	0.233	0.231	0.231	0.232	3.87
41) M	Bromodichloromethan	0.538	0.480	0.505	0.499	0.501	0.505	4.16
42) M	Vinyl Acetate	1.128	1.027	1.057	0.989	0.917	1.024	7.66
43)	Ethyl Acetate	0.800	0.522	0.549	0.538	0.529	0.588	20.29
44)	Isopropyl Acetate	0.985	0.911	0.958	0.938	0.937	0.946	2.88
45) T	1,4-Dioxane	0.009	0.009	0.009	0.009	0.009	0.009#	1.14
46)	Methyl methacrylate	0.485	0.453	0.478	0.474	0.470	0.472	2.49
47)	n-amyl Acetate	0.819	0.768	0.818	0.827	0.847	0.816	3.55
48) M	t-1,3-Dichloroprope	0.594	0.553	0.588	0.585	0.594	0.583	2.96
49) T	cis-1,3-Dichloropro	0.623	0.575	0.606	0.602	0.602	0.601	2.81
50) M	1,1,2-Trichloroetha	0.352	0.318	0.332	0.331	0.334	0.333	3.60
51)	Ethyl methacrylate	0.587	0.541	0.575	0.577	0.585	0.573	3.26
52)	1,3-Dichloropropane	0.597	0.557	0.577	0.573	0.575	0.576	2.47

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	Compound	5	20	50	100	150	Avg	%RSD
53) M	Dibromochloromethan	0.425	0.390	0.408	0.411	0.421	0.411	3.37
54) M	1,2-Dibromoethane	0.370	0.343	0.353	0.359	0.363	0.358	2.82
55) M	2-Chloroethyl vinyl	0.284	0.267	0.274	0.267	0.261	0.271	3.35
56) M	Bromoform	0.338	0.315	0.332	0.340	0.363	0.338	5.11
57) I	Chlorobenzene-d5	-----ISTD-----						
58) M	4-Methyl-2-Pentanone	0.637	0.583	0.582	0.553	0.516	0.574	7.78
59) M	2-Hexanone	0.472	0.439	0.442	0.426	0.405	0.437	5.61
60) S	4-Bromofluorobenzen	0.516	0.519	0.507	0.513	0.512	0.513	0.89
61) M	Tetrachloroethene	0.413	0.374	0.385	0.376	0.380	0.386	4.11
62) M	Toluene	1.618	1.481	1.530	1.514	1.454	1.520	4.10
63) S	Toluene-d8	1.308	1.308	1.266	1.262	1.229	1.275	2.65
64) M	Chlorobenzene	1.022	0.932	0.980	0.982	0.968	0.977	3.31
65)	1,1,1,2-Tetrachloro	0.418	0.378	0.397	0.396	0.407	0.399	3.67
66) M	Ethyl Benzene	1.824	1.700	1.765	1.727	1.664	1.736	3.55
67) M	m/p-Xylenes	0.695	0.635	0.660	0.655	0.640	0.657	3.57
68) M	o-Xylene	0.668	0.621	0.645	0.646	0.630	0.642	2.79
69) M	Styrene	1.161	1.085	1.128	1.125	1.096	1.119	2.66
70)	Isopropylbenzene	1.811	1.665	1.714	1.701	1.622	1.702	4.12
71) M	1,1,2,2-Tetrachloro	0.589	0.527	0.543	0.548	0.552	0.552	4.17
72)	1,2,3-Trichloroprop	0.547	0.504	0.515	0.511	0.505	0.516	3.45
73)	Bromobenzene	0.458	0.430	0.461	0.466	0.471	0.457	3.47
74)	n-propylbenzene	2.066	1.918	1.979	1.948	1.853	1.953	4.02
75)	2-Chlorotoluene	1.242	1.164	1.186	1.186	1.161	1.188	2.74
76)	1,3,5-Trimethylbenz	1.551	1.430	1.471	1.459	1.399	1.462	3.90
77)	t-1,4-Dichloro-2-bu	0.227	0.213	0.219	0.226	0.227	0.222	2.73
78)	4-Chlorotoluene	1.433	1.344	1.377	1.377	1.339	1.374	2.72
79)	tert-butylbenzene	1.541	1.415	1.451	1.456	1.442	1.461	3.25
80)	1,2,4-Trimethylbenz	1.563	1.447	1.494	1.479	1.422	1.481	3.63
81)	sec-Butylbenzene	1.753	1.634	1.693	1.684	1.617	1.676	3.19
82)	p-Isopropyltoluene	1.652	1.515	1.597	1.588	1.548	1.580	3.27
83) M	1,3-Dichlorobenzene	0.842	0.770	0.808	0.837	0.851	0.822	4.00
84) M	1,4-Dichlorobenzene	0.814	0.775	0.817	0.841	0.854	0.820	3.66
85)	n-Butylbenzene	1.432	1.358	1.425	1.432	1.394	1.408	2.28
86) T	Hexachloroethane	0.308	0.283	0.305	0.312	0.320	0.305	4.50
87) M	1,2-Dichlorobenzene	0.811	0.760	0.803	0.811	0.824	0.802	3.06
88)	1,2-Dibromo-3-Chlor	0.147	0.141	0.144	0.147	0.147	0.145	1.90
89)	1,2,4-Trichlorobenz	0.605	0.583	0.641	0.688	0.712	0.646	8.41
90)	Hexachlorobutadiene	0.311	0.298	0.323	0.374	0.395	0.340	12.30
91) M	Naphthalene	1.906	1.817	1.907	1.914	1.808	1.870	2.84
92)	1,2,3-Trichlorobenz	0.606	0.590	0.637	0.684	0.692	0.642	7.11

(#) = Out of Range