

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
 Method File : 624X092723W.M
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 Last Update : Thu Sep 28 06:08:32 2023
 Response Via : Initial Calibration

Calibration Files

5 =VX037930.D 20 =VX037931.D 50 =VX037932.D 100 =VX037933.D 150 =VX037934.D

Compound		5	20	50	100	150	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----						
2) M	Dichlorodifluoro...	1.721	1.540	1.520	1.493	1.589	1.573	5.73
3) M	Chloromethane	1.832	1.677	1.651	1.609	1.651	1.684	5.13
4) M	Vinyl Chloride	2.015	1.871	1.848	1.800	1.893	1.885	4.25
5) M	Bromomethane	1.644	1.497	1.493	1.369	1.259	1.452	10.03
6) M	Chloroethane	1.418	1.254	1.205	1.203	1.249	1.266	6.99
7) M	Trichlorofluorom...	3.268	3.105	3.069	2.981	3.139	3.112	3.37
8) T	Diethyl Ether	1.215	1.123	1.132	1.110	1.161	1.148	3.61
9)	1,1,2-Trichlorot...	1.700	1.542	1.549	1.529	1.614	1.587	4.51
10) M	1,1-Dichloroethene	1.595	1.531	1.532	1.512	1.596	1.553	2.54
11)	Methyl Iodide	2.034	2.006	2.089	2.110	2.272	2.102	4.93
12)	Methyl Acetate	3.189	3.165	3.104	3.070	3.258	3.157	2.33
13) M	Acrolein	0.373	0.364	0.351	0.364	0.369	0.364	2.26
14) M	Acrylonitrile	0.876	0.864	0.858	0.855	0.906	0.872	2.38
15) M	Acetone	0.287	0.255	0.236	0.236	0.247	0.252	8.39
16) M	Carbon Disulfide	3.656	3.527	3.777	3.848	4.143	3.790	6.12
17)	Allyl chloride	2.376	2.309	2.358	2.348	2.499	2.378	3.03
18) M	Methylene Chloride	2.038	1.823	1.789	1.777	1.881	1.862	5.73
19) M	trans-1,2-Dichlo...	1.790	1.709	1.727	1.706	1.821	1.751	2.97
20) T	Diisopropyl ether	5.083	5.066	5.020	4.975	5.239	5.077	1.97
21) M	1,1-Dichloroethane	3.134	3.043	3.021	2.988	3.151	3.067	2.33
22) M	cis-1,2-Dichloro...	2.099	2.031	2.061	2.043	2.158	2.079	2.47
23) M	tert-Butyl Alcohol	0.365	0.350	0.352	0.363	0.389	0.364	4.20
24) M	Methyl tert-Buty...	5.429	5.303	5.302	5.254	5.593	5.376	2.56
25) M	Chloroform	3.423	3.333	3.351	3.299	3.461	3.373	1.97
26)	Cyclohexane	2.733	2.537	2.577	2.548	2.658	2.610	3.19
27) s	1,2-Dichloroetha...	2.200	2.136	2.167	2.148	2.162	2.163	1.11
28) I	1,4-Difluorobenzene	-----ISTD-----						
29)	1,1-Dichloropropene	0.443	0.432	0.429	0.426	0.439	0.434	1.62
30) M	2-Butanone	0.212	0.209	0.205	0.202	0.212	0.208	2.03
31)	2,2-Dichloropropane	0.423	0.434	0.433	0.435	0.460	0.437	3.11
32) M	1,1,1-Trichloroe...	0.505	0.513	0.520	0.517	0.543	0.520	2.75
33) M	Carbon Tetrachlo...	0.402	0.433	0.452	0.457	0.480	0.445	6.59
34) M	Benzene	1.325	1.309	1.285	1.258	1.300	1.295	1.95
35)	Methacrylonitrile	0.215	0.210	0.220	0.218	0.231	0.219	3.46
36) M	1,2-Dichloroethane	0.485	0.464	0.446	0.440	0.456	0.458	3.79
37) M	Trichloroethene	0.356	0.356	0.355	0.350	0.369	0.357	1.90
38)	Methylcyclohexane	0.547	0.534	0.547	0.539	0.558	0.545	1.66
39) M	1,2-Dichloropropane	0.341	0.330	0.328	0.322	0.335	0.331	2.14
40)	Dibromomethane	0.243	0.240	0.245	0.241	0.254	0.245	2.26
41) M	Bromodichloromet...	0.405	0.433	0.455	0.457	0.482	0.446	6.47
42) M	Vinyl Acetate	0.627	0.657	0.662	0.654	0.680	0.656	2.89
43)	Ethyl Acetate	0.423	0.400	0.407	0.407	0.420	0.411	2.44
44)	Isopropyl Acetate	0.650	0.666	0.680	0.683	0.723	0.681	4.00
45) T	1,4-Dioxane	0.008	0.008	0.008	0.008	0.008	0.008	2.22
46)	Methyl methacrylate	0.295	0.322	0.327	0.328	0.346	0.324	5.71
47)	n-amyl Acetate	0.561	0.618	0.644	0.670	0.709	0.640	8.68
48) M	t-1,3-Dichloropr...	0.421	0.455	0.494	0.509	0.547	0.485	10.02
49) T	cis-1,3-Dichloro...	0.468	0.503	0.531	0.536	0.567	0.521	7.18
50) M	1,1,2-Trichloroe...	0.347	0.342	0.350	0.344	0.365	0.349	2.54
51)	Ethyl methacrylate	0.469	0.495	0.521	0.523	0.566	0.515	7.04
52)	1,3-Dichloropropane	0.558	0.560	0.559	0.552	0.574	0.561	1.47
53) M	Dibromochloromet...	0.298	0.341	0.371	0.382	0.409	0.360	11.78
54) M	1,2-Dibromoethane	0.364	0.377	0.381	0.377	0.397	0.379	3.13
55) M	2-Chloroethyl vi...	0.236	0.245	0.252	0.259	0.264	0.251	4.51
56) M	Bromoform	0.215	0.238	0.274	0.298	0.329	0.271	16.80

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		-----ISTD-----							
57) I	Chlorobenzene-d5								
58) M	4-Methyl-2-Penta...	0.435	0.450	0.439	0.429	0.444	0.439		1.84
59) M	2-Hexanone	0.326	0.335	0.333	0.332	0.342	0.334		1.73
60) S	4-Bromofluoroben...	0.473	0.473	0.488	0.501	0.509	0.489		3.28
61) M	Tetrachloroethene	0.328	0.315	0.320	0.308	0.324	0.319		2.48
62) M	Toluene	1.680	1.561	1.536	1.482	1.521	1.556		4.83
63) S	Toluene-d8	1.302	1.307	1.306	1.291	1.270	1.295		1.20
64) M	Chlorobenzene	0.988	0.963	0.971	0.949	0.983	0.971		1.64
65)	1,1,1,2-Tetrachl...	0.320	0.346	0.358	0.358	0.380	0.352		6.23
66) M	Ethyl Benzene	1.736	1.711	1.732	1.682	1.726	1.717		1.27
67) M	m/p-Xylenes	0.680	0.672	0.679	0.662	0.690	0.677		1.50
68) M	o-Xylene	0.627	0.642	0.668	0.655	0.684	0.655		3.41
69) M	Styrene	1.024	1.069	1.120	1.116	1.167	1.099		4.96
70)	Isopropylbenzene	1.721	1.720	1.758	1.714	1.781	1.739		1.69
71) M	1,1,2,2-Tetrachl...	0.562	0.566	0.577	0.571	0.588	0.573		1.79
72)	1,2,3-Trichlorop...	0.470	0.491	0.514	0.517	0.524	0.503		4.44
73)	Bromobenzene	0.433	0.423	0.442	0.443	0.463	0.441		3.36
74)	n-propylbenzene	2.035	2.057	2.112	2.053	2.130	2.077		1.97
75)	2-Chlorotoluene	1.212	1.189	1.220	1.209	1.251	1.216		1.85
76)	1,3,5-Trimethylb...	1.429	1.467	1.516	1.513	1.572	1.499		3.62
77)	t-1,4-Dichloro-2...	0.111	0.139	0.166	0.183	0.199	0.159		21.92
78)	4-Chlorotoluene	1.409	1.393	1.427	1.425	1.479	1.427		2.27
79)	tert-butylbenzene	1.378	1.438	1.503	1.500	1.561	1.476		4.74
80)	1,2,4-Trimethylb...	1.431	1.471	1.504	1.502	1.546	1.491		2.87
81)	sec-Butylbenzene	1.821	1.861	1.921	1.913	1.974	1.898		3.09
82)	p-Isopropyltoluene	1.491	1.551	1.624	1.625	1.676	1.593		4.55
83) M	1,3-Dichlorobenzene	0.829	0.825	0.855	0.864	0.887	0.852		3.01
84) M	1,4-Dichlorobenzene	0.842	0.839	0.864	0.875	0.898	0.864		2.83
85)	n-Butylbenzene	1.374	1.415	1.526	1.545	1.594	1.491		6.19
86) T	Hexachloroethane	0.205	0.234	0.268	0.286	0.305	0.260		15.42
87) M	1,2-Dichlorobenzene	0.838	0.822	0.845	0.836	0.858	0.840		1.55
88)	1,2-Dibromo-3-Ch...	0.100	0.107	0.118	0.119	0.126	0.114		9.12
89)	1,2,4-Trichlorob...	0.543	0.548	0.573	0.576	0.616	0.571		5.04
90)	Hexachlorobutadiene	0.240	0.238	0.254	0.255	0.268	0.251		4.85
91) M	Naphthalene	1.628	1.720	1.746	1.754	1.815	1.733		3.92
92)	1,2,3-Trichlorob...	0.517	0.546	0.559	0.565	0.593	0.556		4.98

(#) = Out of Range