

Method Path : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\

Method File : VL080519AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Aug 05 17:09:48 2019

Last Update : Mon Aug 05 17:09:48 2019

Response Via : Initial Calibration

Calibration Files

0.03=VL034091.D 0.1 =VL034090.D 0.5 =VL034089.D 1 =VL034088.D 2 =VL034087.D 10 =VL034086.D 15 =VL034092.D

Compound		0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----										
1) I	Bromochloromethane									
2) T	Dichlorodifluo...		1.621	1.414	1.155	1.051	0.912	1.231	23.19	
3)	Chlorodifluoro...		1.270	1.226	1.213	1.038	1.035	1.156	9.65	
4)	Chloromethane		0.769	0.812	0.769	0.686	0.692	0.745	7.35	
5) T	Vinyl Chloride	0.610	0.694	0.691	0.687	0.675	0.620	0.621	0.657	5.76
6) T	Bromomethane		0.357	0.360	0.331	0.321	0.328	0.339	5.24	
7)	Chloroethane		0.277	0.259	0.242	0.223	0.230	0.246	8.88	
8) T	Dichlorotetra...		1.570	1.589	1.482	1.256	1.202	1.420	12.66	
9) T	Propene		0.742	0.727	0.707	0.615	0.617	0.682	9.00	
10) T	Heptane		1.880	1.936	1.846	1.600	1.556	1.763	9.81	
11) T	Trichlorofluor...		1.640	1.589	1.489	1.300	1.278	1.459	11.31	
12) T	1,1,2-Trichlor...		1.127	1.139	1.048	0.920	0.913	1.030	10.58	
13)	Ethanol		0.269	0.232	0.225	0.118	0.116	0.192	36.67	
14) T	Bromoethene		0.477	0.495	0.468	0.427	0.432	0.460	6.40	
15) T	Acetone		1.685	1.606	1.558	1.156	1.140	1.429	18.24	
16) T	1,3-Butadiene		0.747	0.756	0.693	0.641	0.636	0.695	8.16	
17)	tert-Butyl alc...		1.502	1.470	1.360	1.258	1.077	1.333	12.96	
18) T	1,1-Dichloroet...		0.544	0.527	0.481	0.441	0.441	0.487	9.82	
19) T	Isopropyl Alcohol		1.341	1.259	1.129	0.962	0.872	1.113	17.66	
20) T	Methylene Chlo...		0.483	0.463	0.419	0.382	0.396	0.429	10.10	
21) T	Allyl Chloride		1.069	1.064	0.990	0.913	0.908	0.989	7.90	
22) T	trans-1,2-Dich...		0.525	0.486	0.461	0.439	0.455	0.473	7.04	
23) T	Vinyl Acetate		2.573	2.567	2.518	2.144	2.045	2.369	10.74	
24) T	1,1-Dichloroet...		1.557	1.529	1.444	1.282	1.236	1.410	10.25	
25) T	Ethyl Acetate		3.134	3.116	2.965	2.495	2.344	2.811	13.07	
26) T	Hexane		1.335	1.293	1.237	1.058	1.033	1.191	11.56	
27) T	Carbon Disulfide		1.279	1.299	1.293	1.203	1.206	1.256	3.78	
28) T	Methyl tert-Bu...		2.205	2.156	2.067	1.809	1.725	1.992	10.74	
29) T	Chloroform		1.720	1.788	1.687	1.466	1.437	1.620	9.76	
30) T	Cyclohexane		1.016	0.996	0.964	0.860	0.869	0.941	7.71	
31) T	cis-1,2-Dichlo...		1.242	1.262	1.232	1.075	1.073	1.177	8.02	
32) T	1,1,1-Trichlor...	1.918	1.593	1.611	1.619	1.623	1.443	1.411	1.603	10.28
-----ISTD-----										
33) I	1,4-Difluorobenzene									
34) T	2-Butanone		1.007	1.040	0.995	0.815	0.791	0.930	12.57	
35) T	Carbon Tetrach...	0.936	0.740	0.759	0.821	0.800	0.672	0.645	0.768	12.76
36) T	Benzene		1.298	1.236	1.215	0.985	0.950	1.137	13.88	
37) T	1,2-Dichloroet...		0.666	0.663	0.625	0.557	0.547	0.611	9.30	

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38) T	Trichloroethene	0.622	0.464	0.435	0.445	0.436	0.345	0.335	0.440	21.51	
39) T	1,2-Dichloropr...			0.489	0.516	0.476	0.409	0.404	0.459	10.85	
40) T	1,4-Dioxane			0.191	0.211	0.175	0.149	0.139	0.173	17.25	
41) T	Tetrahydrofuran			0.632	0.602	0.609	0.511	0.505	0.572	10.39	
42) T	Bromodichlorom...			0.894	0.934	0.936	0.773	0.749	0.857	10.50	
43)	Methyl Methacr...			0.503	0.486	0.499	0.421	0.422	0.466	8.79	
44) T	2,2,4-Trimethy...			2.376	2.335	2.236	1.685	1.543	2.035	19.21	
45) T	t-1,3-Dichloro...			0.604	0.593	0.628	0.566	0.564	0.591	4.56	
46) T	cis-1,3-Dichlo...			0.706	0.715	0.726	0.640	0.622	0.682	6.95	
47) T	1,1,2-Trichlor...			0.457	0.477	0.471	0.395	0.392	0.438	9.51	
48) T	Dibromochlorom...			0.733	0.743	0.768	0.651	0.620	0.703	9.07	
49) T	Bromoform			0.627	0.673	0.686	0.592	0.566	0.629	8.17	
50) T	4-Methyl-2-Pen...			1.588	1.591	1.532	1.211	1.153	1.415	15.19	
51) T	2-Hexanone			1.335	1.256	1.287	1.043	1.024	1.189	12.18	
52) T	Tetrachloroethene	0.607	0.464	0.452	0.426	0.429	0.355	0.339	0.439	20.05	
53) T	Toluene			1.434	1.467	1.440	1.129	1.088	1.312	14.20	
54) T	1,2-Dibromoethane			0.716	0.723	0.701	0.595	0.586	0.664	10.22	
55) I	Chlorobenzene-d5	-----ISTD-----									
56)	1,1,1,2-Tetrac...			0.505	0.519	0.485	0.401	0.376	0.457	14.10	
57) T	Chlorobenzene			1.061	1.014	0.960	0.757	0.710	0.901	17.45	
58) T	Ethyl Benzene			1.985	1.942	1.787	1.396	1.297	1.682	18.81	
59) T	m/p-Xylene			1.613	1.552	1.468	1.101	1.014	1.350	20.24	
60) T	o-Xylene			1.597	1.569	1.444	1.104	1.030	1.349	19.66	
61) T	Styrene			1.238	1.178	1.140	0.926	0.871	1.071	15.15	
62)	Isopropylbenzene			2.145	2.110	1.966	1.475	1.357	1.811	20.36	
63) T	1,1,2,2-Tetrac...	1.055	1.004	1.133	1.101	1.027	0.772	0.729	0.974	16.37	
64)	n-propylbenzene			0.548	0.557	0.501	0.403	0.383	0.479	16.94	
65)	tert-Butylbenzene			1.945	1.864	1.777	1.297	1.181	1.613	21.63	
66) T	Benzyl Chloride			0.853	0.961	0.997	0.867	0.785	0.893	9.61	
67)	sec-Butylbenzene			2.745	2.702	2.540	1.788	1.606	2.276	23.65	
68) S	1-Bromo-4-Fluo...	0.828	0.840	0.823	0.803	0.779	0.799	0.807	0.811	2.56	
69)	p-Isopropyltol...			2.300	2.172	2.055	1.504	1.357	1.878	22.41	
70)	n-Butylbenzene			2.459	2.398	2.238	1.581	1.451	2.025	23.41	
71)	2-Chlorotoluene			1.732	1.686	1.570	1.185	1.107	1.456	19.95	
72) T	4-Ethyltoluene			1.820	1.846	1.749	1.307	1.215	1.588	19.00	
73) T	1,3,5-Trimethy...			1.743	1.810	1.676	1.253	1.154	1.527	19.73	
74) T	1,2,4-Trimethy...			1.929	1.863	1.750	1.253	1.149	1.589	22.77	
75) T	1,3-Dichlorobe...			1.060	1.018	0.953	0.731	0.688	0.890	19.09	
76) T	1,4-Dichlorobe...			1.054	1.057	0.983	0.749	0.704	0.909	18.73	
77) T	1,2-Dichlorobe...			1.021	0.985	0.969	0.729	0.682	0.877	18.10	
78) T	Hexachloro-1,3...			0.826	0.792	0.743	0.526	0.590	0.695	18.84	
79) T	Naphthalene			1.911	1.932	1.862	1.308	1.238	1.650	20.98	
80) T	Naphthalene,2-...			0.500	0.502	0.513	0.397	0.677	0.517	19.43	
81) T	1,2,4-Trichlor...			1.104	1.059	1.008	0.725	0.683	0.916	21.50	

(#) = Out of Range