

Method Path : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\

Method File : VL081720AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Aug 17 19:28:30 2020

Last Update : Mon Aug 17 19:28:30 2020

Response Via : Initial Calibration

Calibration Files

0.03=VL035425.D 0.1 =VL035424.D 0.5 =VL035423.D 1 =VL035422.D 2 =VL035421.D 10 =VL035420.D 15 =VL035426.D

Compound		0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----								
2) T	Dichlorodifluo...			2.423	2.104	1.792	1.571	1.377	1.853	22.53
3)	Chlorodifluoro...			1.356	1.340	1.353	1.113	1.107	1.254	10.47
4)	Chloromethane			0.682	0.703	0.694	0.591	0.597	0.653	8.38
5) T	Vinyl Chloride	0.708	0.880	0.830	0.810	0.824	0.706	0.708	0.781	9.24
6) T	Bromomethane			0.710	0.727	0.726	0.629	0.622	0.683	7.77
7)	Chloroethane			0.312	0.299	0.303	0.262	0.262	0.288	8.30
8) T	Dichlorotetra...			2.716	2.679	2.548	2.066	1.858	2.373	16.34
9) T	Propene			0.561	0.550	0.516	0.442	0.450	0.504	10.99
10) T	Heptane			1.348	1.426	1.448	1.197	1.188	1.321	9.33
11) T	Trichlorofluor...			3.213	3.169	3.158	2.551	2.450	2.908	12.87
12) T	1,1,2-Trichlor...			2.340	2.358	2.322	1.932	1.884	2.167	10.96
13)	Ethanol			0.235	0.237	0.223	0.118	0.111	0.185	34.88
14) T	Bromoethene			0.973	1.018	1.034	0.889	0.875	0.958	7.62
15) T	Acetone			1.368	1.285	1.268	0.913	0.920	1.151	18.87
16) T	1,3-Butadiene			0.450	0.510	0.515	0.426	0.434	0.467	9.11
17)	tert-Butyl alc...			1.523	1.621	1.576	1.411	1.308	1.488	8.56
18) T	1,1-Dichloroet...			0.978	1.009	1.025	0.891	0.882	0.957	6.98
19) T	Isopropyl Alcohol			0.841	0.887	0.842	0.733	0.663	0.793	11.65
20) T	Methylene Chlo...			1.143	1.042	1.005	0.732	0.722	0.929	20.58
21) T	Allyl Chloride			0.567	0.604	0.616	0.562	0.575	0.585	4.10
22) T	trans-1,2-Dich...			1.051	1.084	1.085	0.941	0.945	1.021	7.13
23) T	Vinyl Acetate			1.604	1.705	1.779	1.573	1.567	1.645	5.65
24) T	1,1-Dichloroet...			1.720	1.766	1.799	1.470	1.457	1.642	10.09
25) T	Ethyl Acetate			2.430	2.467	2.465	1.946	1.891	2.240	13.14
26) T	Hexane			1.351	1.402	1.382	1.105	1.081	1.264	12.47
27) T	Carbon Disulfide			1.658	1.829	1.997	1.835	1.817	1.827	6.58
28) T	Methyl tert-Bu...			2.365	2.472	2.515	2.121	2.073	2.309	8.75
29) T	Chloroform			2.685	2.778	2.729	2.268	2.238	2.540	10.40
30) T	Cyclohexane			1.395	1.471	1.536	1.309	1.301	1.402	7.28
31) T	cis-1,2-Dichlo...			1.361	1.418	1.427	1.216	1.225	1.329	7.73
32) T	1,1,1-Trichlor...	1.888	2.404	2.460	2.568	2.679	2.321	2.342	2.380	10.56
33) I	1,4-Difluorobenzene	-----ISTD-----								
34) T	2-Butanone			0.353	0.370	0.360	0.295	0.293	0.334	11.24
35) T	Carbon Tetrach...	0.368	0.500	0.570	0.603	0.615	0.532	0.536	0.532	15.57
36) T	Benzene			0.800	0.811	0.807	0.640	0.612	0.734	13.53
37) T	1,2-Dichloroet...			0.365	0.362	0.360	0.294	0.297	0.335	10.94
38) T	Trichloroethene	0.394	0.441	0.431	0.447	0.442	0.355	0.347	0.408	10.47
39) T	1,2-Dichloropr...			0.258	0.266	0.261	0.213	0.211	0.242	11.39

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40)	T	1,4-Dioxane		0.145	0.154	0.139	0.118	0.103	0.132	15.80
41)	T	Tetrahydrofuran		0.187	0.191	0.203	0.170	0.170	0.184	7.69
42)	T	Bromodichlorom...		0.555	0.596	0.622	0.522	0.512	0.561	8.39
43)		Methyl Methacr...		0.290	0.304	0.314	0.265	0.263	0.287	8.00
44)	T	2,2,4-Trimethy...		1.060	1.092	1.080	0.805	0.756	0.958	17.10
45)	T	t-1,3-Dichloro...		0.245	0.286	0.321	0.309	0.317	0.296	10.61
46)	T	cis-1,3-Dichlo...		0.331	0.375	0.408	0.364	0.365	0.368	7.46
47)	T	1,1,2-Trichlor...		0.391	0.389	0.395	0.318	0.314	0.361	11.48
48)	T	Dibromochlorom...		0.558	0.625	0.675	0.590	0.583	0.606	7.44
49)	T	Bromoform		0.501	0.582	0.656	0.591	0.588	0.584	9.44
50)	T	4-Methyl-2-Pen...		0.491	0.524	0.533	0.429	0.419	0.479	11.05
51)	T	2-Hexanone		0.393	0.434	0.453	0.370	0.370	0.404	9.35
52)	T	Tetrachloroethene	0.429 0.476	0.489	0.485	0.487	0.386	0.382	0.448	10.76
53)	T	Toluene		1.003	1.056	1.061	0.825	0.782	0.945	13.98
54)	T	1,2-Dibromoethane		0.628	0.642	0.639	0.516	0.507	0.587	11.69

55)	I	Chlorobenzene-d5	-----ISTD-----							
56)		1,1,1,2-Tetrac...		0.489	0.516	0.519	0.434	0.414	0.474	10.10
57)	T	Chlorobenzene		0.974	0.961	0.913	0.691	0.635	0.835	19.13
58)	T	Ethyl Benzene		1.338	1.381	1.355	1.029	0.933	1.207	17.40
59)	T	m/p-Xylene		1.140	1.171	1.146	0.863	0.782	1.020	17.96
60)	T	o-Xylene		1.107	1.139	1.102	0.839	0.772	0.992	17.37
61)	T	Styrene		0.831	0.890	0.889	0.722	0.675	0.801	12.28
62)		Isopropylbenzene		1.888	1.913	1.846	1.316	1.165	1.625	21.93
63)	T	1,1,2,2-Tetrac...	0.670 0.764	0.826	0.818	0.787	0.581	0.540	0.712	16.34
64)		n-propylbenzene		0.543	0.552	0.553	0.436	0.421	0.501	13.25
65)		tert-Butylbenzene		1.785	1.865	1.819	1.283	1.145	1.580	21.41
66)	T	Benzyl Chloride		0.268	0.323	0.400	0.448	0.460	0.380	21.72
67)		sec-Butylbenzene		2.418	2.514	2.438	1.629	1.395	2.079	25.27
68)	S	1-Bromo-4-Fluo...	0.714 0.720	0.713	0.701	0.678	0.694	0.681	0.700	2.38
69)		p-Isopropyltol...		2.076	2.199	2.183	1.476	1.288	1.845	23.31
70)		n-Butylbenzene		2.000	2.073	2.038	1.386	1.214	1.742	23.47
71)		2-Chlorotoluene		1.321	1.345	1.323	0.997	0.911	1.179	17.65
72)	T	4-Ethyltoluene		1.420	1.501	1.485	1.101	1.001	1.302	17.94
73)	T	1,3,5-Trimethy...		1.305	1.405	1.384	1.021	0.941	1.211	17.79
74)	T	1,2,4-Trimethy...		1.502	1.548	1.513	1.062	0.954	1.316	21.57
75)	T	1,3-Dichlorobe...		1.181	1.181	1.134	0.824	0.762	1.016	20.28
76)	T	1,4-Dichlorobe...		1.131	1.146	1.122	0.833	0.776	1.002	18.09
77)	T	1,2-Dichlorobe...		1.130	1.151	1.114	0.818	0.764	0.995	18.90
78)	T	Hexachloro-1,3...		0.907	0.921	0.907	0.626	0.574	0.787	21.82
79)	T	Naphthalene		1.970	2.152	2.207	1.542	1.394	1.853	19.75
80)	T	Naphthalene,2-...		0.672	0.775	0.876	0.762	0.743	0.766	9.60
81)	T	1,2,4-Trichlor...		1.205	1.286	1.286	0.930	0.878	1.117	17.74

 (#) = Out of Range