

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

Method File : VL080320AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Aug 13 03:55:51 2020

Last Update : Thu Aug 13 03:55:51 2020

Response Via : Initial Calibration

Calibration Files

0.03=VL035320.D 0.1 =VL035319.D 0.5 =VL035318.D 1 =VL035317.D 2 =VL035316.D 10 =VL035315.D 15 =VL035321.D

Compound		0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----								
2) T	Dichlorodifluo...			1.560	1.366	1.156	1.613	0.847	1.308	24.05
3)	Chlorodifluoro...			1.209	1.212	1.249	1.159	0.917	1.149	11.65
4)	Chloromethane			0.722	0.670	0.700	0.666	0.523	0.656	11.88
5) T	Vinyl Chloride	0.653	0.632	0.598	0.670	0.693	0.679	0.546	0.639	8.12
6) T	Bromomethane			0.439	0.430	0.456	0.427	0.350	0.420	9.77
7)	Chloroethane			0.270	0.267	0.265	0.261	0.207	0.254	10.42
8) T	Dichlorotetra...			1.840	1.703	1.649	1.549	1.149	1.578	16.59
9) T	Propene			0.385	0.388	0.484	0.470	0.350	0.415	14.06
10) T	Heptane			0.851	1.002	1.174	1.240	1.062	1.066	14.26
11) T	Trichlorofluor...			1.909	1.846	1.816	1.623	1.350	1.709	13.30
12) T	1,1,2-Trichlor...			1.264	1.305	1.281	1.133	0.973	1.191	11.67
13)	Ethanol			0.174	0.172	0.183	0.137	0.101	0.153	22.38
14) T	Bromoethene			0.462	0.512	0.531	0.515	0.433	0.491	8.46
15) T	Acetone			1.715	1.623	1.647	1.217	1.027	1.446	21.11
16) T	1,3-Butadiene			0.520	0.490	0.610	0.592	0.484	0.539	10.83
17)	tert-Butyl alc...			1.382	1.388	1.366	1.327	1.122	1.317	8.48
18) T	1,1-Dichloroet...			0.559	0.552	0.580	0.534	0.456	0.536	8.88
19) T	Isopropyl Alcohol			0.922	0.966	0.953	0.933	0.768	0.908	8.83
20) T	Methylene Chlo...			0.845	0.749	0.817	0.491	0.400	0.660	30.54
21) T	Allyl Chloride			0.762	0.841	0.904	0.862	0.726	0.819	8.95
22) T	trans-1,2-Dich...			0.554	0.557	0.573	0.525	0.451	0.532	9.13
23) T	Vinyl Acetate			1.092	1.458	1.670	1.636	1.308	1.433	16.73
24) T	1,1-Dichloroet...			1.391	1.364	1.474	1.346	1.092	1.333	10.77
25) T	Ethyl Acetate			2.103	2.217	2.452	2.287	1.870	2.186	9.95
26) T	Hexane			0.846	0.998	1.156	1.033	0.860	0.979	13.15
27) T	Carbon Disulfide			1.301	1.294	1.429	1.376	1.183	1.317	7.08
28) T	Methyl tert-Bu...			1.237	1.474	1.701	1.641	1.300	1.471	13.84
29) T	Chloroform			1.740	1.701	1.813	1.643	1.381	1.655	10.00
30) T	Cyclohexane			0.669	0.617	0.809	0.864	0.711	0.734	13.79
31) T	cis-1,2-Dichlo...			0.765	0.852	1.012	1.031	0.854	0.903	12.69
32) T	1,1,1-Trichlor...	1.619	1.618	1.628	1.620	1.717	1.630	1.374	1.601	6.63

33) I	1,4-Difluorobenzene	-----ISTD-----								
34) T	2-Butanone			0.448	0.504	0.620	0.585	0.475	0.526	13.86
35) T	Carbon Tetrach...	0.658	0.568	0.646	0.638	0.699	0.707	0.610	0.647	7.50
36) T	Benzene			0.620	0.699	0.824	0.832	0.691	0.733	12.54
37) T	1,2-Dichloroet...			0.483	0.481	0.538	0.529	0.452	0.497	7.25
38) T	Trichloroethene	0.140	0.256	0.241	0.270	0.335	0.347	0.296	0.269	25.67
39) T	1,2-Dichloropr...			0.247	0.275	0.327	0.323	0.273	0.289	12.06

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40)	T	1,4-Dioxane	0.112	0.123	0.127	0.149	0.116	0.125	11.49		
41)	T	Tetrahydrofuran	0.190	0.237	0.292	0.320	0.259	0.260	19.31		
42)	T	Bromodichlorom...	0.630	0.659	0.738	0.735	0.625	0.678	8.19		
43)		Methyl Methacr...	0.212	0.269	0.338	0.382	0.331	0.306	21.74		
44)	T	2,2,4-Trimethy...	1.018	1.225	1.444	1.411	1.183	1.256	13.93		
45)	T	t-1,3-Dichloro...	0.216	0.257	0.345	0.436	0.381	0.327	27.46		
46)	T	cis-1,3-Dichlo...	0.263	0.326	0.420	0.506	0.442	0.391	24.65		
47)	T	1,1,2-Trichlor...	0.323	0.326	0.358	0.361	0.310	0.335	6.75		
48)	T	Dibromochlorom...	0.484	0.487	0.594	0.620	0.543	0.546	11.31		
49)	T	Bromoform	0.387	0.420	0.510	0.559	0.500	0.475	14.81		
50)	T	4-Methyl-2-Pen...	0.553	0.695	0.849	0.869	0.752	0.744	17.26		
51)	T	2-Hexanone	0.407	0.494	0.654	0.703	0.618	0.575	21.12		
52)	T	Tetrachloroethene	0.219	0.215	0.221	0.267	0.306	0.310	0.270	0.258	15.87
53)	T	Toluene	0.513	0.657	0.881	0.969	0.834	0.771	23.82		
54)	T	1,2-Dibromoethane	0.436	0.477	0.539	0.546	0.483	0.496	9.31		

55)	I	Chlorobenzene-d5			-----ISTD-----						
56)		1,1,1,2-Tetrac...			0.494	0.472	0.501	0.471	0.409	0.469	7.77
57)	T	Chlorobenzene			0.771	0.791	0.831	0.762	0.672	0.765	7.65
58)	T	Ethyl Benzene			0.750	0.995	1.307	1.293	1.133	1.096	21.15
59)	T	m/p-Xylene			0.816	1.005	1.172	1.099	0.963	1.011	13.45
60)	T	o-Xylene			0.775	0.986	1.170	1.095	0.971	0.999	14.96
61)	T	Styrene			0.369	0.508	0.715	0.785	0.696	0.615	27.91
62)		Isopropylbenzene			1.255	1.525	1.757	1.606	1.394	1.508	12.80
63)	T	1,1,2,2-Tetrac...	0.758	0.675	0.820	0.829	0.888	0.807	0.710	0.784	9.43
64)		n-propylbenzene			0.298	0.390	0.446	0.437	0.401	0.394	14.92
65)		tert-Butylbenzene			1.092	1.346	1.594	1.446	1.272	1.350	13.94
66)	T	Benzyl Chloride			0.425	0.461	0.543	0.607	0.574	0.522	14.72
67)		sec-Butylbenzene			1.570	1.941	2.279	2.019	1.735	1.909	14.23
68)	S	1-Bromo-4-Fluo...	0.851	0.851	0.861	0.855	0.818	0.784	0.844	0.838	3.30
69)		p-Isopropyltol...			1.243	1.586	1.875	1.699	1.492	1.579	14.93
70)		n-Butylbenzene			1.366	1.709	2.022	1.811	1.587	1.699	14.42
71)		2-Chlorotoluene			0.844	1.077	1.336	1.263	1.105	1.125	16.93
72)	T	4-Ethyltoluene			0.780	1.075	1.340	1.294	1.150	1.128	19.67
73)	T	1,3,5-Trimethy...			0.820	1.097	1.304	1.213	1.090	1.105	16.50
74)	T	1,2,4-Trimethy...			1.131	1.300	1.472	1.291	1.138	1.266	11.10
75)	T	1,3-Dichlorobe...			0.808	0.815	0.870	0.762	0.684	0.788	8.82
76)	T	1,4-Dichlorobe...			0.698	0.764	0.821	0.756	0.689	0.746	7.23
77)	T	1,2-Dichlorobe...			0.702	0.730	0.806	0.731	0.664	0.727	7.17
78)	T	Hexachloro-1,3...			0.595	0.613	0.657	0.565	0.519	0.590	8.73
79)	T	Naphthalene			0.697	0.914	1.184	1.140	1.078	1.002	19.86
80)	T	Naphthalene,2-...			0.143	0.172	0.323	0.405	0.428	0.294	44.47
81)	T	1,2,4-Trichlor...			0.492	0.596	0.705	0.650	0.607	0.610	12.93

 (#) = Out of Range