

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

Method File : VL120718AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018

Last Update : Fri Dec 07 09:35:17 2018

Response Via : Initial Calibration

Calibration Files

0.03=VL032925.D 0.1 =VL032924.D 0.5 =VL032923.D 1 =VL032922.D 2 =VL032921.D 10 =VL032920.D 15 =VL032926.D

Compound		0.03	0.1	0.5	1	2	10	15	Avg	%RSD

1) I	Bromochloromethane	-----ISTD-----								
2) T	Dichlorodifluo...			1.433	1.403	1.511	1.266	1.061	1.335	13.23
3)	Chlorodifluoro...			0.769	0.778	0.829	0.700	0.710	0.757	6.98
4)	Chloromethane			0.508	0.464	0.469	0.383	0.381	0.441	12.82
5) T	Vinyl Chloride	0.586	0.464	0.411	0.432	0.448	0.400	0.399	0.449	14.59
6) T	Bromomethane			0.284	0.282	0.301	0.266	0.271	0.281	4.85
7)	Chloroethane			0.170	0.158	0.168	0.152	0.156	0.161	4.91
8) T	Dichlorotetra...			1.168	1.153	1.198	1.030	0.998	1.109	8.06
9) T	Propene			0.287	0.305	0.343	0.276	0.286	0.299	8.77
10) T	Heptane			0.913	1.048	1.249	1.157	1.258	1.125	12.96
11) T	Trichlorofluor...			1.353	1.240	1.346	1.186	1.164	1.258	7.00
12) T	1,1,2-Trichlor...			1.112	1.127	1.163	0.972	0.992	1.073	7.98
13)	Ethanol			0.130	0.117	0.129	0.069	0.071	0.103	29.93
14) T	Bromoethene			0.354	0.347	0.369	0.355	0.357	0.356	2.16
15) T	Acetone			0.939	0.910	0.980	0.727	0.735	0.858	13.86
16) T	1,3-Butadiene			0.334	0.318	0.395	0.333	0.322	0.341	9.16
17)	tert-Butyl alc...			0.241	0.249	0.202	0.215	0.186	0.219	12.01
18) T	1,1-Dichloroet...			0.480	0.466	0.405	0.381	0.370	0.420	11.88
19) T	Isopropyl Alcohol			0.567	0.567	0.566	0.505	0.491	0.539	7.07
20) T	Methylene Chlo...			0.534	0.474	0.389	0.380	0.320	0.420	20.13
21) T	Allyl Chloride			0.683	0.664	0.726	0.691	0.734	0.699	4.19
22) T	trans-1,2-Dich...			0.523	0.487	0.598	0.467	0.533	0.522	9.68
23) T	Vinyl Acetate			1.217	1.382	1.620	1.405	1.643	1.453	12.26
24) T	1,1-Dichloroet...			1.329	1.318	1.344	1.115	1.211	1.264	7.78
25) T	Ethyl Acetate			2.021	2.080	2.096	1.996	1.944	2.028	3.07
26) T	Hexane			0.927	0.959	0.966	0.935	0.894	0.936	3.02
27) T	Carbon Disulfide			1.148	1.193	1.199	1.142	1.170	1.170	2.20
28) T	Methyl tert-Bu...			1.212	1.339	1.594	1.380	1.504	1.406	10.54
29) T	Chloroform			1.741	1.714	1.745	1.609	1.543	1.670	5.39
30) T	Cyclohexane			0.668	0.730	0.839	0.792	0.850	0.776	9.87
31) T	cis-1,2-Dichlo...			0.731	0.804	0.944	0.871	0.945	0.859	10.76
32) T	1,1,1-Trichlor...	2.246	1.693	1.605	1.594	1.850	1.664	1.718	1.767	12.88
33) I	1,4-Difluorobenzene	-----ISTD-----								
34) T	2-Butanone			0.413	0.423	0.465	0.435	0.442	0.436	4.60
35) T	Carbon Tetrach...	1.086	0.790	0.722	0.734	0.746	0.715	0.709	0.786	17.17
36) T	Benzene			0.689	0.733	0.764	0.742	0.751	0.736	3.89
37) T	1,2-Dichloroet...			0.504	0.506	0.509	0.497	0.488	0.501	1.65
38) T	Trichloroethene	0.386	0.254	0.277	0.296	0.303	0.316	0.311	0.306	13.46
39) T	1,2-Dichloropr...			0.273	0.278	0.283	0.277	0.284	0.279	1.60

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40)	T	1,4-Dioxane	0.101	0.104	0.110	0.098	0.101	0.103	4.24		
41)	T	Tetrahydrofuran	0.225	0.264	0.286	0.285	0.294	0.271	10.35		
42)	T	Bromodichlorom...	0.683	0.702	0.707	0.695	0.682	0.694	1.62		
43)		Methyl Methacr...	0.217	0.253	0.279	0.304	0.309	0.273	14.01		
44)	T	2,2,4-Trimethy...	1.105	1.255	1.328	1.278	1.276	1.249	6.77		
45)	T	t-1,3-Dichloro...	0.227	0.269	0.321	0.419	0.435	0.334	27.20		
46)	T	cis-1,3-Dichlo...	0.274	0.339	0.436	0.473	0.524	0.409	24.84		
47)	T	1,1,2-Trichlor...	0.302	0.303	0.316	0.311	0.302	0.307	2.06		
48)	T	Dibromochlorom...	0.537	0.551	0.585	0.596	0.610	0.576	5.35		
49)	T	Bromoform	0.422	0.446	0.479	0.509	0.512	0.474	8.30		
50)	T	4-Methyl-2-Pen...	0.568	0.640	0.768	0.720	0.786	0.697	13.09		
51)	T	2-Hexanone	0.319	0.433	0.496	0.557	0.557	0.472	21.13		
52)	T	Tetrachloroethene	0.307	0.241	0.250	0.259	0.267	0.274	0.275	0.268	7.92
53)	T	Toluene	0.573	0.731	0.820	0.885	0.891	0.780	17.00		
54)	T	1,2-Dibromoethane	0.414	0.438	0.500	0.500	0.545	0.480	11.00		

55)	I	Chlorobenzene-d5	-----ISTD-----								
56)		1,1,1,2-Tetrac...		0.488	0.476	0.453	0.404	0.408	0.446	8.58	
57)	T	Chlorobenzene		0.785	0.800	0.720	0.644	0.663	0.722	9.70	
58)	T	Ethyl Benzene		0.806	1.048	1.165	1.130	1.185	1.067	14.55	
59)	T	m/p-Xylene		0.834	1.002	1.044	0.961	0.996	0.967	8.28	
60)	T	o-Xylene		0.833	0.963	1.109	0.947	1.031	0.977	10.50	
61)	T	Styrene		0.424	0.595	0.705	0.743	0.782	0.650	22.23	
62)		Isopropylbenzene		1.213	1.398	1.459	1.353	1.390	1.363	6.73	
63)	T	1,1,2,2-Tetrac...	1.017	0.704	0.713	0.727	0.793	0.647	0.708	16.06	
64)		n-propylbenzene		0.305	0.363	0.376	0.366	0.360	0.354	7.91	
65)		tert-Butylbenzene		1.076	1.360	1.314	1.342	1.224	1.263	9.27	
66)	T	Benzyl Chloride		0.542	0.627	0.724	0.775	0.833	0.700	16.65	
67)		sec-Butylbenzene		1.634	1.918	2.024	1.881	1.857	1.863	7.68	
68)	S	1-Bromo-4-Fluo...	0.742	0.753	0.751	0.749	0.732	0.717	0.728	0.739	1.83
69)		p-Isopropyltol...		1.192	1.534	1.688	1.537	1.596	1.509	12.47	
70)		n-Butylbenzene		1.133	1.363	1.534	1.450	1.463	1.389	11.16	
71)		2-Chlorotoluene		0.802	0.988	1.102	1.072	1.103	1.013	12.55	
72)	T	4-Ethyltoluene		0.769	1.071	1.232	1.159	1.221	1.090	17.51	
73)	T	1,3,5-Trimethy...		0.856	1.036	1.208	1.057	1.166	1.065	12.89	
74)	T	1,2,4-Trimethy...		1.132	1.320	1.249	1.204	1.105	1.202	7.25	
75)	T	1,3-Dichlorobe...		0.673	0.730	0.768	0.670	0.699	0.708	5.84	
76)	T	1,4-Dichlorobe...		0.590	0.657	0.697	0.662	0.696	0.660	6.60	
77)	T	1,2-Dichlorobe...		0.606	0.673	0.715	0.642	0.669	0.661	6.09	
78)	T	Hexachloro-1,3...		0.396	0.368	0.385	0.284	0.385	0.364	12.49	
79)	T	Naphthalene		0.484	0.677	0.942	0.833	0.944	0.776	25.31	
80)	T	Naphthalene,2-...		0.075	0.106	0.164	0.220	0.263	0.166	46.85	
81)	T	1,2,4-Trichlor...		0.322	0.395	0.458	0.412	0.471	0.412	14.36	

 (#) = Out of Range