

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

Method File : VL101718AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Oct 17 08:55:11 2018

Last Update : Wed Oct 17 08:55:11 2018

Response Via : Initial Calibration

Calibration Files

0.03=VL032632.D 0.1 =VL032631.D 0.5 =VL032630.D 1 =VL032629.D 2 =VL032628.D 10 =VL032627.D 15 =VL032633.D

Compound		0.03	0.1	0.5	1	2	10	15	Avg	%RSD
-----ISTD-----										
1) I	Bromochloromethane									
2) T	Dichlorodifluo...		1.620	1.070	0.797	0.702	0.743	0.986	38.74	
3)	Chlorodifluoro...		0.883	0.929	0.831	0.771	0.769	0.837	8.34	
4)	Chloromethane		0.488	0.481	0.452	0.432	0.431	0.457	5.83	
5) T	Vinyl Chloride	0.485 0.438	0.468	0.487	0.457	0.443	0.444	0.460	4.37	
6) T	Bromomethane		0.313	0.296	0.282	0.272	0.290	0.291	5.29	
7)	Chloroethane		0.188	0.185	0.179	0.170	0.178	0.180	3.85	
8) T	Dichlorotetra...		1.263	1.236	1.091	1.024	1.023	1.127	10.25	
9) T	Propene		0.294	0.308	0.309	0.316	0.307	0.307	2.55	
10) T	Heptane		0.893	1.074	1.187	1.259	1.330	1.149	14.90	
11) T	Trichlorofluor...		1.386	1.398	1.336	1.112	1.190	1.285	9.90	
12) T	1,1,2-Trichlor...		1.043	1.012	0.930	0.822	0.895	0.941	9.47	
13)	Ethanol		0.117	0.110	0.086	0.084	0.079	0.095	17.94	
14) T	Bromoethene		0.341	0.337	0.351	0.331	0.361	0.344	3.50	
15) T	Acetone		0.995	0.950	0.876	0.784	0.845	0.890	9.43	
16) T	1,3-Butadiene		0.343	0.316	0.334	0.313	0.342	0.330	4.31	
17)	tert-Butyl alc...		0.061	0.099	0.087	0.077	0.082	0.081	17.34	
18) T	1,1-Dichloroet...		0.409	0.427	0.458	0.385	0.441	0.424	6.60	
19) T	Isopropyl Alcohol		0.618	0.701	0.659	0.572	0.592	0.628	8.30	
20) T	Methylene Chlo...		0.477	0.416	0.395	0.341	0.365	0.399	13.12	
21) T	Allyl Chloride		0.667	0.656	0.649	0.654	0.714	0.668	3.96	
22) T	trans-1,2-Dich...		0.513	0.498	0.480	0.455	0.504	0.490	4.72	
23) T	Vinyl Acetate		1.114	1.295	1.506	1.524	1.640	1.416	14.80	
24) T	1,1-Dichloroet...		1.313	1.349	1.346	1.242	1.313	1.313	3.30	
25) T	Ethyl Acetate		2.087	2.139	2.159	2.049	2.095	2.106	2.08	
26) T	Hexane		0.862	0.960	0.998	0.958	0.964	0.948	5.41	
27) T	Carbon Disulfide		1.237	1.236	1.043	1.062	1.154	1.146	8.06	
28) T	Methyl tert-Bu...		0.984	1.131	1.255	1.263	1.328	1.192	11.46	
29) T	Chloroform		1.782	1.770	1.629	1.560	1.571	1.662	6.43	
30) T	Cyclohexane		0.676	0.639	0.747	0.806	0.872	0.748	12.65	
31) T	cis-1,2-Dichlo...		0.755	0.833	0.935	0.980	1.054	0.911	12.98	
32) T	1,1,1-Trichlor...	1.888 1.698	1.638	1.635	1.601	1.510	1.639	1.658	7.01	
-----ISTD-----										
33) I	1,4-Difluorobenzene									
34) T	2-Butanone		0.493	0.566	0.556	0.597	0.563	0.555	6.89	
35) T	Carbon Tetrach...	0.959 0.795	0.754	0.740	0.745	0.703	0.729	0.775	11.09	
36) T	Benzene		0.657	0.794	0.863	0.864	0.875	0.811	11.31	
37) T	1,2-Dichloroet...		0.550	0.567	0.560	0.541	0.562	0.556	1.89	

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38) T	Trichloroethene	0.336	0.275	0.252	0.294	0.324	0.319	0.333	0.305	10.41	
39) T	1,2-Dichloropr...			0.306	0.322	0.342	0.335	0.345	0.330	4.86	
40) T	1,4-Dioxane			0.095	0.135	0.107	0.127	0.106	0.114	14.34	
41) T	Tetrahydrofuran			0.215	0.267	0.310	0.339	0.342	0.294	18.23	
42) T	Bromodichlorom...			0.726	0.773	0.774	0.747	0.770	0.758	2.76	
43)	Methyl Methacr...			0.220	0.281	0.334	0.358	0.378	0.314	20.37	
44) T	2,2,4-Trimethy...			1.131	1.444	1.578	1.510	1.522	1.437	12.36	
45) T	t-1,3-Dichloro...			0.272	0.335	0.407	0.501	0.539	0.411	27.06	
46) T	cis-1,3-Dichlo...			0.307	0.410	0.478	0.559	0.585	0.468	24.26	
47) T	1,1,2-Trichlor...			0.376	0.402	0.399	0.388	0.405	0.394	2.96	
48) T	Dibromochlorom...			0.617	0.662	0.677	0.680	0.712	0.669	5.18	
49) T	Bromoform			0.467	0.486	0.523	0.513	0.540	0.506	5.80	
50) T	4-Methyl-2-Pen...			0.579	0.790	0.896	0.896	0.923	0.817	17.40	
51) T	2-Hexanone			0.394	0.549	0.688	0.770	0.811	0.642	26.62	
52) T	Tetrachloroethene	0.264	0.261	0.231	0.261	0.279	0.278	0.294	0.267	7.42	
53) T	Toluene			0.617	0.810	0.992	1.075	1.127	0.924	22.72	
54) T	1,2-Dibromoethane			0.476	0.552	0.572	0.594	0.627	0.564	10.05	
55) I	Chlorobenzene-d5	-----ISTD-----									
56)	1,1,1,2-Tetrac...			0.515	0.497	0.461	0.422	0.401	0.459	10.60	
57) T	Chlorobenzene			0.781	0.855	0.772	0.716	0.678	0.761	8.91	
58) T	Ethyl Benzene			0.797	1.093	1.219	1.286	1.221	1.123	17.39	
59) T	m/p-Xylene			0.818	1.038	1.080	1.064	1.013	1.003	10.59	
60) T	o-Xylene			0.819	1.070	1.068	1.045	0.993	0.999	10.52	
61) T	Styrene			0.350	0.533	0.672	0.752	0.721	0.605	27.36	
62)	Isopropylbenzene			1.229	1.511	1.496	1.479	1.401	1.423	8.18	
63) T	1,1,2,2-Tetrac...	1.063	0.871	0.911	0.940	0.856	0.786	0.745	0.882	11.89	
64)	n-propylbenzene			0.301	0.378	0.380	0.378	0.365	0.361	9.37	
65)	tert-Butylbenzene			0.994	1.289	1.323	1.255	1.177	1.208	10.87	
66) T	Benzyl Chloride			0.563	0.672	0.694	0.748	0.727	0.681	10.62	
67)	sec-Butylbenzene			1.577	1.962	1.965	1.848	1.734	1.817	9.06	
68) S	1-Bromo-4-Fluo...	0.789	0.768	0.793	0.777	0.719	0.744	0.681	0.753	5.46	
69)	p-Isopropyltol...			1.031	1.451	1.533	1.472	1.390	1.376	14.49	
70)	n-Butylbenzene			1.199	1.594	1.686	1.587	1.512	1.516	12.38	
71)	2-Chlorotoluene			0.801	1.061	1.146	1.151	1.101	1.052	13.77	
72) T	4-Ethyltoluene			0.772	1.089	1.175	1.210	1.153	1.080	16.45	
73) T	1,3,5-Trimethy...			0.809	1.136	1.175	1.154	1.097	1.074	14.06	
74) T	1,2,4-Trimethy...			1.065	1.306	1.273	1.176	1.093	1.183	9.03	
75) T	1,3-Dichlorobe...			0.701	0.777	0.714	0.641	0.604	0.687	9.79	
76) T	1,4-Dichlorobe...			0.586	0.651	0.659	0.632	0.602	0.626	4.98	
77) T	1,2-Dichlorobe...			0.645	0.723	0.698	0.633	0.605	0.661	7.33	
78) T	Hexachloro-1,3...			0.516	0.412	0.315	0.345	0.262	0.370	26.50	
79) T	Naphthalene			0.494	0.735	0.883	0.968	0.941	0.804	24.31	
80) T	Naphthalene,2-...			0.057	0.085	0.108	0.265	0.266	0.156	64.96	
81) T	1,2,4-Trichlor...			0.277	0.394	0.431	0.451	0.443	0.399	17.96	

(#) = Out of Range