

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

Method File : VL010419AIR.M

Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Jan 04 16:09:05 2019

Last Update : Fri Jan 04 16:09:05 2019

Response Via : Initial Calibration

Calibration Files

0.03=VL033066.D 0.1 =VL033065.D 0.5 =VL033064.D 1 =VL033063.D 2 =VL033062.D 10 =VL033067.D 15 =VL033068.D

	Compound	0.03	0.1	0.5	1	2	10	15	Avg	%RSD
1) I	Bromochloromethane	-----ISTD-----								
2) T	Dichlorodifluo...		2.189	2.349	1.221	1.922	1.624	1.861	24.26	
3)	Chlorodifluoro...		1.190	1.349	1.059	1.049	1.013	1.132	12.25	
4)	Chloromethane		0.770	0.755	0.621	0.553	0.543	0.648	16.77	
5) T	Vinyl Chloride	0.785	0.749	0.612	0.687	0.597	0.580	0.574	0.655	13.10
6) T	Bromomethane		0.533	0.503	0.407	0.391	0.390	0.445	15.32	
7)	Chloroethane		0.313	0.294	0.229	0.218	0.226	0.256	17.19	
8) T	Dichlorotetra...		1.742	1.858	1.564	1.482	1.369	1.603	12.29	
9) T	Propene		0.395	0.498	0.393	0.396	0.433	0.423	10.71	
10) T	Heptane		1.140	1.241	1.331	1.131	1.177	1.204	6.91	
11) T	Trichlorofluor...		2.365	2.148	2.528	1.674	1.567	2.056	20.50	
12) T	1,1,2-Trichlor...		1.629	1.492	1.148	1.148	1.084	1.300	18.76	
13)	Ethanol		0.261	0.199	0.166	0.104	0.114	0.169	38.12	
14) T	Bromoethene		0.677	0.642	0.551	0.499	0.503	0.574	14.13	
15) T	Acetone		1.574	1.512	1.735	1.057	1.042	1.384	22.82	
16) T	1,3-Butadiene		0.551	0.564	0.553	0.465	0.477	0.522	9.01	
17)	tert-Butyl alc...		0.352	0.346	0.265	0.257	0.247	0.293	17.44	
18) T	1,1-Dichloroet...		0.748	0.659	0.553	0.519	0.516	0.599	16.94	
19) T	Isopropyl Alcohol		1.104	1.061	1.218	0.682	0.699	0.953	25.85	
20) T	Methylene Chlo...		0.783	0.711	0.501	0.444	0.446	0.577	27.54	
21) T	Allyl Chloride		0.955	0.985	0.730	0.801	0.818	0.858	12.62	
22) T	trans-1,2-Dich...		0.657	0.648	0.630	0.515	0.520	0.594	11.88	
23) T	Vinyl Acetate		1.667	1.908	1.911	1.593	1.724	1.761	8.15	
24) T	1,1-Dichloroet...		1.681	1.656	1.622	1.244	1.273	1.495	14.55	
25) T	Ethyl Acetate		2.566	2.509	2.575	2.016	2.033	2.340	12.36	
26) T	Hexane		1.169	1.211	1.252	0.934	0.942	1.102	13.82	
27) T	Carbon Disulfide		1.484	1.500	1.218	1.293	1.298	1.359	9.28	
28) T	Methyl tert-Bu...		1.745	1.849	1.892	1.512	1.599	1.720	9.41	
29) T	Chloroform		2.091	2.025	2.083	1.620	1.568	1.877	13.88	
30) T	Cyclohexane		0.724	0.850	0.914	0.790	0.830	0.821	8.60	
31) T	cis-1,2-Dichlo...		0.979	1.090	1.125	0.926	0.994	1.023	8.05	
32) T	1,1,1-Trichlor...	1.971	1.910	2.097	2.035	2.032	1.661	1.632	1.905	9.79
33) I	1,4-Difluorobenzene	-----ISTD-----								
34) T	2-Butanone		0.589	0.620	0.654	0.513	0.530	0.581	10.27	
35) T	Carbon Tetrach...	0.926	0.898	0.901	0.911	0.921	0.753	0.703	0.859	10.62
36) T	Benzene		0.790	0.877	0.907	0.756	0.766	0.819	8.34	
37) T	1,2-Dichloroet...		0.621	0.623	0.620	0.514	0.482	0.572	12.01	

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38) T	Trichloroethene	0.312	0.326	0.336	0.350	0.393	0.321	0.320	0.337	8.19	
39) T	1,2-Dichloropr...			0.312	0.330	0.329	0.281	0.286	0.308	7.51	
40) T	1,4-Dioxane			0.120	0.131	0.130	0.101	0.103	0.117	12.30	
41) T	Tetrahydrofuran			0.264	0.305	0.330	0.283	0.296	0.296	8.25	
42) T	Bromodichlorom...			0.831	0.833	0.871	0.705	0.688	0.786	10.59	
43)	Methyl Methacr...			0.255	0.315	0.344	0.308	0.315	0.307	10.48	
44) T	2,2,4-Trimethy...			1.295	1.512	1.584	1.280	1.264	1.387	10.79	
45) T	t-1,3-Dichloro...			0.270	0.357	0.410	0.432	0.444	0.383	18.68	
46) T	cis-1,3-Dichlo...			0.351	0.435	0.411	0.487	0.500	0.437	13.81	
47) T	1,1,2-Trichlor...			0.382	0.383	0.379	0.327	0.326	0.360	8.41	
48) T	Dibromochlorom...			0.536	0.702	0.708	0.622	0.608	0.635	11.24	
49) T	Bromoform			0.508	0.588	0.623	0.536	0.520	0.555	8.81	
50) T	4-Methyl-2-Pen...			0.684	0.832	0.694	0.732	0.739	0.736	7.94	
51) T	2-Hexanone			0.346	0.566	0.617	0.565	0.569	0.533	20.00	
52) T	Tetrachloroethene	0.261	0.278	0.278	0.317	0.323	0.283	0.287	0.290	7.75	
53) T	Toluene			0.680	0.900	0.987	0.909	0.913	0.878	13.18	
54) T	1,2-Dibromoethane			0.413	0.561	0.585	0.514	0.517	0.518	12.70	
55) I	Chlorobenzene-d5	-----ISTD-----									
56)	1,1,1,2-Tetrac...			0.580	0.568	0.560	0.440	0.436	0.517	14.01	
57) T	Chlorobenzene			0.906	0.925	0.899	0.710	0.735	0.835	12.39	
58) T	Ethyl Benzene			1.029	1.293	1.458	1.243	1.290	1.263	12.18	
59) T	m/p-Xylene			1.105	1.265	1.319	1.069	1.083	1.168	9.87	
60) T	o-Xylene			1.100	1.226	1.300	1.054	1.037	1.143	9.99	
61) T	Styrene			0.505	0.711	0.854	0.769	0.809	0.730	18.65	
62)	Isopropylbenzene			1.591	1.760	1.846	1.455	1.484	1.627	10.51	
63) T	1,1,2,2-Tetrac...	0.844	0.760	1.000	0.970	0.945	0.715	0.711	0.849	14.54	
64)	n-propylbenzene			0.401	0.436	0.473	0.373	0.384	0.413	9.95	
65)	tert-Butylbenzene			1.382	1.529	1.702	1.295	1.299	1.441	12.04	
66) T	Benzyl Chloride			0.778	0.797	0.917	0.793	0.822	0.822	6.81	
67)	sec-Butylbenzene			2.043	2.199	2.405	1.848	1.818	2.063	11.92	
68) S	1-Bromo-4-Fluo...	0.760	0.788	0.807	0.754	0.749	0.743	0.765	0.767	3.00	
69)	p-Isopropyltol...			1.570	1.778	1.993	1.521	1.509	1.674	12.44	
70)	n-Butylbenzene			1.476	1.857	2.043	1.513	1.526	1.683	15.03	
71)	2-Chlorotoluene			1.008	1.202	1.365	1.091	1.105	1.154	11.83	
72) T	4-Ethyltoluene			1.077	1.315	1.470	1.196	1.225	1.257	11.64	
73) T	1,3,5-Trimethy...			1.143	1.318	1.447	1.139	1.153	1.240	11.14	
74) T	1,2,4-Trimethy...			1.434	1.490	1.587	1.180	1.174	1.373	13.64	
75) T	1,3-Dichlorobe...			0.918	0.891	0.911	0.660	0.661	0.808	16.77	
76) T	1,4-Dichlorobe...			0.730	0.787	0.858	0.644	0.662	0.736	12.08	
77) T	1,2-Dichlorobe...			0.745	0.782	0.852	0.627	0.634	0.728	13.36	
78) T	Hexachloro-1,3...			0.619	0.566	0.763	0.362	0.485	0.559	26.76	
79) T	Naphthalene			0.870	1.180	1.426	1.116	1.191	1.157	17.20	
80) T	Naphthalene,2-...			0.124	0.247	0.463	0.418	0.502	0.351	45.54	
81) T	1,2,4-Trichlor...			0.464	0.576	0.679	0.522	0.553	0.559	14.17	

(#) = Out of Range