

Method Path : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\
 Method File : SOM2YLM111219S.M
 Title : VOC Analysis
 Last Update : Wed Nov 13 01:59:35 2019
 Response Via : Initial Calibration

Calibration Files

2.5 =VY000649.D 5 =VY000644.D 25 =VY000645.D
 50 =VY000646.D 100 =VY000647.D

	Compound	2.5	5	25	50	100	Avg	%RSD
1) I	1,4-Difluorobenzene	-----ISTD-----						
2) T	Dichlorodifluoromet	0.358	0.380	0.337	0.306	0.271	0.330	12.98
3) T	Chloromethane	0.443	0.418	0.434	0.408	0.367	0.414	7.19
4) S	Vinyl Chloride-d3	0.354	0.355	0.373	0.357	0.326	0.353	4.76
5) T	Vinyl chloride	0.424	0.424	0.439	0.413	0.367	0.413	6.69
6) T	Bromomethane	0.249	0.223	0.226	0.223	0.208	0.226	6.48
7) S	Chloroethane-d5	0.328	0.327	0.315	0.312	0.286	0.314	5.38
8) T	Chloroethane	0.266	0.267	0.274	0.258	0.230	0.259	6.76
9) T	Trichlorofluorometh	0.609	0.613	0.628	0.568	0.509	0.585	8.20
10) S	1,1-Dichloroethene-	0.699	0.685	0.664	0.634	0.578	0.652	7.36
11) T	1,1,2-Trichloro-1,2	0.325	0.340	0.363	0.334	0.298	0.332	7.10
12) T	1,1-Dichloroethene	0.328	0.345	0.347	0.314	0.286	0.324	7.83
13) T	Acetone	0.159	0.109	0.100	0.090	0.075	0.107	30.01
14) T	Carbon disulfide	0.949	0.980	1.101	1.032	0.938	1.000	6.75
15) T	Methyl Acetate	0.290	0.245	0.262	0.227	0.198	0.244	14.19
16) T	Methylene chloride	0.553	0.420	0.407	0.361	0.323	0.413	21.14
17) T	Methyl tert-butyl E	1.049	0.964	1.063	0.978	0.877	0.986	7.57
18) T	trans-1,2-Dichloroe	0.357	0.382	0.387	0.361	0.322	0.362	7.09
19) T	1,1-Dichloroethane	0.640	0.646	0.677	0.642	0.581	0.637	5.48
20) S	2-Butanone-d5	0.184	0.134	0.150	0.139	0.122	0.146	16.35
21)	2-Butanone	0.251	0.192	0.190	0.166	0.141	0.188	21.88
22) T	cis-1,2-Dichloroeth	0.419	0.394	0.429	0.396	0.364	0.400	6.26
23) T	Bromochloromethane	0.184	0.179	0.185	0.172	0.154	0.175	7.18
24) S	Chloroform-d	0.725	0.688	0.657	0.634	0.575	0.656	8.66
25) T	Chloroform	0.770	0.712	0.709	0.659	0.583	0.687	10.20
26) S	1,2-Dichloroethane-	0.440	0.396	0.379	0.359	0.327	0.380	11.04
27) T	1,2-Dichloroethane	0.495	0.463	0.487	0.447	0.402	0.459	8.09
28) I	Chlorobenzene-d5	-----ISTD-----						
29) S	Benzene-d6	1.593	1.550	1.460	1.395	1.260	1.452	9.10
30) T	Cyclohexane	0.688	0.678	0.743	0.681	0.620	0.682	6.42
31) T	1,1,1-Trichloroetha	0.640	0.627	0.663	0.607	0.542	0.616	7.47
32) T	Carbon tetrachlorid	0.526	0.541	0.588	0.547	0.482	0.537	7.12
33) S	1,2-Dichloropropane	0.506	0.481	0.450	0.442	0.396	0.455	9.15
34) T	Benzene	1.699	1.678	1.731	1.617	1.447	1.634	6.88
35) T	Trichloroethene	0.453	0.440	0.461	0.417	0.372	0.429	8.35
36) T	Methylcyclohexane	0.723	0.764	0.793	0.729	0.658	0.734	6.90
37) S	Toluene-d8	1.501	1.449	1.348	1.292	1.191	1.356	9.10
38) S	trans-1,3-Dichlorop	0.218	0.219	0.215	0.212	0.197	0.212	4.29
39) S	2-Hexanone-d5	0.142	0.108	0.129	0.126	0.110	0.123	11.35
40) T	1,2-Dichloropropane	0.433	0.426	0.439	0.407	0.366	0.414	7.08
41) T	Bromodichloromethan	0.535	0.537	0.576	0.536	0.481	0.533	6.30
42) T	cis-1,3-Dichloropro	0.651	0.657	0.728	0.687	0.614	0.667	6.38
43) T	4-Methyl-2-pentan	0.457	0.367	0.435	0.392	0.329	0.396	12.98
44) T	Toluene	1.798	1.777	1.898	1.763	1.598	1.767	6.11
45) T	trans-1,3-Dichlorop	0.573	0.557	0.628	0.584	0.526	0.573	6.53
46) T	1,1,2-Trichloroetha	0.361	0.356	0.364	0.326	0.292	0.340	9.03
47) T	Tetrachloroethene	0.318	0.348	0.344	0.313	0.278	0.320	8.72
48) S	1,1,2,2-Tetrachloro	0.493	0.438	0.458	0.437	0.387	0.443	8.73
49) T	2-Hexanone	0.374	0.302	0.327	0.293	0.247	0.309	15.08
50) T	Dibromochloromethan	0.409	0.364	0.412	0.389	0.344	0.384	7.59
51) T	1,2-Dibromoethane	0.350	0.330	0.363	0.323	0.287	0.331	8.85
52) T	Chlorobenzene	1.177	1.143	1.194	1.103	0.990	1.121	7.24

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	Compound	2.5	5	25	50	100	Avg	%RSD
53) T	Ethylbenzene	2.011	1.961	2.165	2.031	1.826	1.999	6.13
54) T	m,p-Xylene	0.720	0.750	0.833	0.776	0.703	0.756	6.79
55) T	o-xylene	0.757	0.731	0.800	0.746	0.679	0.743	5.90
56) T	Styrene	1.133	1.158	1.364	1.315	1.199	1.234	8.18
57) T	Isopropylbenzene	1.868	1.895	2.110	1.997	1.789	1.932	6.42
58) T	1,1,2,2-Tetrachloro	0.435	0.399	0.473	0.437	0.375	0.424	8.91
59)	1,2,3-Trichloroprop	0.382	0.330	0.384	0.336	0.291	0.345	11.32
60) I	1,4-Dichlorobenzene-d	-----ISTD-----						
61) S	1,2-Dichlorobenzene	1.166	1.116	0.967	0.919	0.830	1.000	13.91
62) T	Bromoform	0.454	0.459	0.518	0.485	0.458	0.475	5.75
63) T	1,3-Dichlorobenzene	1.961	1.766	1.883	1.741	1.564	1.783	8.50
64) T	1,4-Dichlorobenzene	1.908	1.859	1.876	1.701	1.570	1.782	8.04
65) T	1,2-Dichlorobenzene	1.816	1.707	1.709	1.598	1.428	1.651	8.90
66) T	1,2-Dibromo-3-chlor	0.178	0.150	0.171	0.157	0.129	0.157	12.17
67)	1,3,5-Trichlorobenz	1.371	1.310	1.309	1.188	1.038	1.243	10.67
68) T	1,2,4-trichlorobenz	1.314	1.169	1.128	1.033	0.911	1.111	13.56
69)	Naphthalene	3.379	2.696	2.914	2.556	2.300	2.769	14.70
70) T	1,2,3-Trichlorobenz	1.246	1.070	1.066	0.945	0.839	1.033	14.78

(#) = Out of Range