Response Factor Report gcms1

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
Method File : SOM02.2-EPA-BM050516.M
Title : SVOA CALIBRATION
Last Update : Fri May 06 04:26:22 2016
Response Via : Initial Calibration

Calibration Files
5 =BM005231.D 10 =BM005232.D 20 =BM005233.D
40 =BM005234.D 80 =BM005235.D 160 =BM005236.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
2)		1,4-Dioxane	0.797	0.789	0.828	0.752	0.710		0.776	5.85
3)	S	1,4-Dioxane-d8	0.444	0.437	0.438	0.413	0.395		0.425	4.85
4)		Benzaldehyde		1.093	1.158	1.003	0.762	0.378	0.879	36.17
5)	S	Phenol-d5		1.743	1.864	1.843	1.830	1.791	1.814	2.62
6)		Phenol		1.841	1.952	1.887	1.887	1.807	1.875	2.91
7)	S	Bis-(2-Chloroethy		1.080	1.106	1.045	0.998	0.945	1.035	6.24
8)		Bis(2-Chloroethyl		1.468	1.502	1.430	1.377	1.280	1.411	6.15
9)	S	2-Chlorophenol-d4	1.275	1.328	1.426	1.408	1.413		1.370	4.78
10)		2-Chlorophenol	1.318	1.383	1.465	1.423	1.418		1.401	3.91
11)		2-Methylphenol		1.394	1.492	1.483	1.475	1.401	1.449	3.26
12)		2,2'-oxybis(1-Chl		2.031	2.029	1.954	1.847	1.712	1.915	7.10
13)	S	4-Methylphenol-d8		1.440	1.536	1.531	1.513	1.476	1.499	2.71
14)		Acetophenone		2.412	2.419	2.193	2.125	1.958	2.221	8.86
15)	P	N-Nitroso-di-n-pr	1.134	1.218	1.227	1.144	1.080		1.161	5.29
16)		4-Methylphenol		1.600	1.689	1.619	1.594	1.538	1.608	3.39
17)		Hexachloroethane	0.517	0.523	0.541	0.530	0.525		0.527	1.67
18)	I	Naphthalene-d8	----------ISTD----------							
19)	S	Nitrobenzene-d5	0.126	0.135	0.147	0.151	0.154		0.143	8.43
20)		Nitrobenzene	0.340	0.354	0.369	0.362	0.363		0.357	3.12
21)		Isophorone	0.643	0.681	0.723	0.716	0.708		0.694	4.73
22)	S	2-Nitrophenol-d4	0.138	0.151	0.169	0.173	0.177		0.162	10.20
23)	C	2-Nitrophenol	0.155	0.169	0.181	0.182	0.183		0.174	6.96
24)		2,4-Dimethylpheno	0.356	0.371	0.382	0.369	0.370		0.370	2.51
25)		Bis(2-Chloroethox	0.438	0.440	0.445	0.426	0.412		0.432	3.06
26)	S	2,4-Dichloropheno	0.275	0.292	0.313	0.311	0.311		0.300	5.50
27)	C	2,4-Dichloropheno	0.290	0.301	0.320	0.316	0.311		0.308	4.01
28)		Naphthalene	1.038	1.024	1.031	0.982	0.956		1.006	3.50
29)	S	4-Chloroaniline-d		0.383	0.426	0.396	0.351	0.252	0.362	18.53
30)		4-Chloroaniline		0.399	0.431	0.397	0.356	0.260	0.369	17.93
31)	C	Hexachlorobutadie	0.186	0.183	0.185	0.180	0.180		0.183	1.48
32)		Caprolactam		0.097	0.114	0.121	0.122	0.120	0.115	8.99
33)	C	4-Chloro-3-methyl	0.347	0.364	0.384	0.379	0.371		0.369	3.97
34)		2-Methylnaphthale	0.778	0.782	0.777	0.731	0.695		0.753	5.11
35)	I	Acenaphthene-d10	----------ISTD----------							
36)		1,2,4,5-Tetrachlo	0.600	0.609	0.633	0.614	0.586		0.608	2.87
37)		Hexachlorocyclope		0.237	0.296	0.330	0.356	0.335	0.311	14.95
38)	C	2,4,6-Trichloroph	0.367	0.390	0.422	0.427	0.420		0.405	6.38
39)		2,4,5-Trichloroph	0.408	0.440	0.462	0.477	0.461		0.450	5.94
40)		1,1'-Biphenyl	1.619	1.643	1.644	1.571	1.445		1.584	5.27
41)		2-Chloronaphthale	1.188	1.212	1.241	1.208	1.141		1.198	3.10
42)		2-Nitroaniline	0.299	0.340	0.392	0.408	0.406		0.369	12.94
43)	S	Dimethylphthalate	1.582	1.624	1.676	1.611	1.524		1.603	3.48
44)		Dimethylphthalate	1.615	1.637	1.671	1.578	1.507		1.602	3.91
45)		2,6-Dinitrotoluen	0.257	0.293	0.336	0.347	0.346		0.316	12.52
46)	S	Acenaphthylene-d8	1.825	1.918	1.975	1.888	1.795		1.880	3.83
47)		Acenaphthylene	2.003	2.081	2.082	1.949	1.832		1.989	5.24
48)		3-Nitroaniline		0.305	0.370	0.360	0.344	0.305	0.337	9.10
49)	C	Acenaphthene	1.361	1.374	1.343	1.270	1.206		1.311	5.42
50)		2,4-Dinitrophenol		0.106	0.155	0.192	0.226	0.229	0.182	28.46
51)	S	4-Nitrophenol-d4		0.254	0.303	0.308	0.311	0.288	0.293	7.90

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.221	0.246	0.252	0.259	0.239	0.243	6.03
53)		Dibenzofuran	1.992	1.988	1.979	1.850	1.701		1.902	6.67
54)		2,4-Dinitrotoluen	0.397	0.463	0.498	0.507	0.490		0.471	9.48
55)		2,3,4,6-Tetrachlo	0.346	0.370	0.398	0.402	0.395		0.382	6.20
56)		Diethylphthalate	1.599	1.636	1.685	1.626	1.546		1.618	3.16
57)	S	Fluorene-d10	1.448	1.438	1.429	1.352	1.255		1.384	5.91
58)		Fluorene	1.642	1.613	1.525	1.411	1.244		1.487	10.95
59)		4-Chlorophenyl-ph	0.807	0.795	0.756	0.701	0.626		0.737	10.12
60)		4-Nitroaniline		0.337	0.374	0.370	0.361	0.342	0.357	4.62
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.095	0.111	0.120	0.123	0.113	0.113	9.59
63)		4,6-Dinitro-2-met		0.103	0.119	0.126	0.126	0.116	0.118	8.12
64)		N-Nitrosodiphenyl	0.571	0.581	0.563	0.534	0.489		0.548	6.74
65)		4-Bromophenyl-phe	0.194	0.198	0.199	0.190	0.179		0.192	4.24
66)		Hexachlorobenzene	0.219	0.222	0.223	0.212	0.199		0.215	4.62
67)		Atrazine		0.208	0.218	0.210	0.194	0.169	0.200	9.69
68)	C	Pentachlorophenol		0.101	0.118	0.126	0.129	0.124	0.120	9.31
69)		Phenanthrene	1.130	1.111	1.095	1.012	0.911		1.052	8.63
70)	S	Anthracene-d10	0.929	0.932	0.914	0.857	0.787		0.884	7.01
71)		Anthracene	1.133	1.118	1.084	1.010	0.898		1.048	9.24
72)		Carbazole		1.028	1.027	0.953	0.867	0.738	0.922	13.31
73)		Di-n-butylphthala	1.097	1.153	1.199	1.137	1.040		1.125	5.35
74)	C	Fluoranthene		1.346	1.339	1.213	1.059	0.868	1.165	17.42
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.912	0.934	0.954	0.929	0.886		0.923	2.77
77)		Pyrene	1.201	1.193	1.200	1.142	1.065		1.160	5.06
78)		Butylbenzylphthal	0.419	0.452	0.502	0.524	0.512		0.482	9.26
79)		3,3'-Dichlorobenz		0.348	0.403	0.376	0.347	0.324	0.360	8.49
80)		Benzo(a)anthracen	1.188	1.175	1.194	1.132	1.062		1.150	4.76
81)		Bis(2-ethylhexyl)	0.618	0.665	0.728	0.697	0.637		0.669	6.63
82)		Chrysene	1.145	1.105	1.138	1.077	0.992		1.091	5.69
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.202	1.271	1.264	1.143	0.960	1.168	10.90
85)		Benzo(b)fluoranth	1.218	1.200	1.181	1.175	1.072		1.169	4.84
86)		Benzo(k)fluoranth	1.124	1.152	1.162	1.069	0.996		1.101	6.24
87)	S	Benzo(a)pyrene-d1	0.893	0.905	0.908	0.885	0.836		0.885	3.31
88)	C	Benzo(a)pyrene	1.144	1.148	1.145	1.083	1.008		1.106	5.51
89)		Indeno(1,2,3-cd)p	1.248	1.233	1.258	1.191	1.103		1.206	5.26
90)		Dibenzo(a,h)anthr	1.054	1.045	1.059	0.991	0.898		1.010	6.72
91)		Benzo(g,h,i)peryl	1.040	1.020	1.050	1.032	0.968		1.022	3.16

(#) = Out of Range