Response Factor Report BNA_B

Method Path : Z:\HPCHEM1\BNA_B\METHOD\
Method File : SOM02.2-EPA-BB092916.M
Title : SVOA CALIBRATION
Last Update : Thu Sep 29 16:48:40 2016
Response Via : Initial Calibration

Calibration Files
5 =BB058555.D 10 =BB058556.D 20 =BB058557.D
40 =BB058558.D 80 =BB058559.D 160 =BB058560.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.503	0.512	0.537	0.503	0.510		0.513	2.70
3)	S	1,4-Dioxane-d8	0.507	0.497	0.522	0.500	0.523		0.510	2.42
4)		Benzaldehyde		1.127	1.099	1.078	1.016	0.710	1.006	16.95
5)	S	Phenol-d5		1.571	1.599	1.553	1.535	1.430	1.537	4.20
6)		Phenol		1.525	1.561	1.506	1.464	1.235	1.458	8.90
7)	S	Bis-(2-Chloroethy		1.035	1.077	1.030	1.008	1.027	1.036	2.43
8)		Bis(2-Chloroethyl		1.340	1.339	1.281	1.260	1.206	1.285	4.40
9)	S	2-Chlorophenol-d4	1.440	1.471	1.520	1.444	1.447		1.464	2.29
10)		2-Chlorophenol	1.392	1.394	1.411	1.374	1.330		1.380	2.25
11)		2-Methylphenol		1.157	1.182	1.147	1.129	1.029	1.129	5.23
12)		2,2'-oxybis(1-Chl		2.427	2.400	2.298	2.009	1.633	2.153	15.54
13)	S	4-Methylphenol-d8		1.185	1.205	1.177	1.207	1.154	1.186	1.82
14)		Acetophenone		1.777	1.756	1.697	1.669	1.620	1.704	3.75
15)	P	N-Nitroso-di-n-pr	1.031	1.060	1.077	1.008	0.957		1.027	4.58
16)		4-Methylphenol		1.228	1.229	1.185	1.188	1.146	1.195	2.91
17)		Hexachloroethane	0.623	0.653	0.654	0.651	0.642		0.644	1.97
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.201	0.205	0.205	0.198	0.210		0.204	2.26
20)		Nitrobenzene	0.374	0.382	0.383	0.367	0.369		0.375	1.95
21)		Isophorone	0.757	0.766	0.769	0.733	0.711		0.747	3.31
22)	S	2-Nitrophenol-d4	0.223	0.226	0.233	0.229	0.232		0.228	1.78
23)	C	2-Nitrophenol	0.213	0.225	0.227	0.221	0.230		0.223	2.89
24)		2,4-Dimethylpheno	0.360	0.370	0.365	0.368	0.357		0.364	1.46
25)		Bis(2-Chloroethox	0.400	0.407	0.407	0.382	0.377		0.395	3.59
26)	S	2,4-Dichloropheno	0.312	0.314	0.319	0.313	0.305		0.312	1.62
27)	C	2,4-Dichloropheno	0.296	0.301	0.301	0.291	0.294		0.297	1.45
28)		Naphthalene	0.979	1.003	0.982	0.927	0.791		0.936	9.18
29)	S	4-Chloroaniline-d		0.373	0.358	0.389	0.357	0.301	0.355	9.35
30)		4-Chloroaniline		0.356	0.346	0.369	0.316	0.252	0.328	14.20
31)	C	Hexachlorobutadie	0.157	0.162	0.162	0.157	0.152		0.158	2.78
32)		Caprolactam		0.127	0.135	0.132	0.147	0.086	0.125	18.67
33)	C	4-Chloro-3-methyl	0.306	0.306	0.320	0.310	0.316		0.312	1.99
34)		2-Methylnaphthale	0.660	0.672	0.661	0.648	0.574		0.643	6.19
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.488	0.510	0.519	0.478	0.392		0.477	10.61
37)		Hexachlorocyclope		0.231	0.265	0.265	0.241	0.230	0.246	7.17
38)	C	2,4,6-Trichloroph	0.341	0.354	0.358	0.348	0.373		0.355	3.40
39)		2,4,5-Trichloroph	0.339	0.362	0.376	0.368	0.367		0.362	3.82
40)		1,1'-Biphenyl	1.348	1.406	1.361	1.292	1.098		1.301	9.26
41)		2-Chloronaphthale	1.012	1.066	1.066	1.057	0.934		1.027	5.53
42)		2-Nitroaniline	0.373	0.408	0.406	0.420	0.395		0.400	4.48
43)	S	Dimethylphthalate	1.323	1.355	1.418	1.300	1.232		1.325	5.18
44)		Dimethylphthalate	1.320	1.362	1.308	1.299	1.110		1.280	7.65
45)		2,6-Dinitrotoluen	0.316	0.334	0.362	0.336	0.343		0.338	4.82
46)	S	Acenaphthylene-d8	1.698	1.686	1.702	1.619	1.394		1.620	8.05
47)		Acenaphthylene	1.593	1.702	1.736	1.523	1.318		1.574	10.58
48)		3-Nitroaniline		0.428	0.451	0.468	0.466	0.465	0.455	3.68
49)	C	Acenaphthene	1.056	1.080	1.084	1.038	0.922		1.036	6.41
50)		2,4-Dinitrophenol		0.150	0.186	0.225	0.270	0.275	0.221	24.31
51)	S	4-Nitrophenol-d4		0.292	0.318	0.323	0.352	0.386	0.334	10.75

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.187	0.213	0.220	0.224	0.253	0.220	10.72
53)		Dibenzofuran	1.534	1.558	1.546	1.514	1.204		1.471	10.22
54)		2,4-Dinitrotoluen	0.439	0.458	0.474	0.473	0.450		0.459	3.31
55)		2,3,4,6-Tetrachlo	0.246	0.271	0.298	0.290	0.312		0.283	9.02
56)		Diethylphthalate	1.420	1.427	1.516	1.372	1.223		1.392	7.75
57)	S	Fluorene-d10	1.087	1.087	1.089	1.058	0.988		1.062	4.07
58)		Fluorene	1.222	1.257	1.244	1.203	0.919		1.169	12.10
59)		4-Chlorophenyl-ph	0.543	0.559	0.586	0.568	0.480		0.547	7.48
60)		4-Nitroaniline		0.344	0.356	0.375	0.385	0.305	0.353	8.86
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.154	0.183	0.190	0.209	0.194	0.186	10.91
63)		4,6-Dinitro-2-met		0.169	0.178	0.203	0.210	0.176	0.187	9.74
64)		N-Nitrosodiphenyl	0.675	0.696	0.731	0.643	0.626		0.674	6.17
65)		4-Bromophenyl-phe	0.204	0.217	0.229	0.218	0.212		0.216	4.26
66)		Hexachlorobenzene	0.239	0.253	0.252	0.236	0.232		0.242	3.79
67)		Atrazine		0.232	0.221	0.236	0.221	0.171	0.216	11.99
68)	C	Pentachlorophenol		0.133	0.151	0.162	0.178	0.166	0.158	10.77
69)		Phenanthrene	1.096	1.142	1.139	0.981	0.870		1.046	11.28
70)	S	Anthracene-d10	0.922	0.953	0.988	0.886	0.802		0.910	7.80
71)		Anthracene	1.105	1.159	1.185	1.008	0.871		1.066	12.02
72)		Carbazole		1.087	1.109	1.015	0.791	0.627	0.926	22.61
73)		Di-n-butylphthala	1.754	1.776	1.710	1.315	0.966		1.504	23.58
74)	C	Fluoranthene		1.110	1.181	1.087	0.799	0.585	0.952	26.42#
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	1.030	1.012	0.953	0.881	0.733		0.922	13.07
77)		Pyrene	1.323	1.284	1.207	1.007	0.861		1.136	17.28
78)		Butylbenzylphthal	0.875	0.864	0.926	0.793	0.657		0.823	12.68
79)		3,3'-Dichlorobenz		0.391	0.372	0.355	0.297	0.246	0.332	17.91
80)		Benzo(a)anthracen	1.152	1.125	1.093	0.988	0.887		1.049	10.47
81)		Bis(2-ethylhexyl)	1.226	1.172	1.204	0.944	0.733		1.056	20.18
82)		Chrysene	1.063	1.038	1.037	0.891	0.682		0.942	17.04
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.219	1.319	1.085	0.843	0.698	1.033	25.06
85)		Benzo(b)fluoranth	1.250	1.252	1.169	1.214	1.507		1.279	10.34
86)		Benzo(k)fluoranth	0.887	0.907	1.084	0.990	0.644		0.902	18.18
87)	S	Benzo(a)pyrene-d1	0.855	0.874	0.913	0.890	0.934		0.893	3.49
88)	C	Benzo(a)pyrene	1.025	1.045	1.084	1.057	1.036		1.049	2.17
89)		Indeno(1,2,3-cd)p	0.981	1.015	1.093	1.070	1.116		1.055	5.29
90)		Dibenzo(a,h)anthr	0.785	0.832	0.907	0.892	0.932		0.870	6.92
91)		Benzo(g,h,i)peryl	0.802	0.832	0.886	0.853	0.860		0.847	3.73

(#) = Out of Range