Response Factor Report BNA_N

Method Path : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\
Method File : SFAM01-EPA-BN010620.M
Title : SVOA CALIBRATION
Last Update : Mon Jan 06 17:39:39 2020
Response Via : Initial Calibration

Calibration Files
5 =BN009309.D 10 =BN009310.D 20 =BN009311.D
40 =BN009312.D 80 =BN009313.D 160 =BN009314.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.528	0.532	0.474	0.500	0.490		0.505	4.94
3)	S	1,4-Dioxane-d8	0.491	0.479	0.471	0.472	0.449		0.473	3.27
4)		Benzaldehyde		1.254	0.738	1.298	1.067	0.710	1.013	27.47
5)	S	Phenol-d5		1.599	1.635	1.844	1.923	1.903	1.781	8.57
6)		Phenol		1.719	1.750	1.926	1.958	1.952	1.861	6.27
7)	S	Bis-(2-Chloroethy		1.231	1.192	1.253	1.252	1.198	1.225	2.35
8)		Bis(2-Chloroethyl		1.481	1.438	1.528	1.527	1.471	1.489	2.60
9)	S	2-Chlorophenol-d4	1.159	1.262	1.264	1.387	1.425		1.299	8.22
10)		2-Chlorophenol	1.180	1.305	1.290	1.420	1.443		1.328	8.04
11)		2-Methylphenol		1.267	1.351	1.458	1.481	1.472	1.406	6.66
12)		2,2'-oxybis(1-Chl		3.728	3.542	3.620	3.522	3.262	3.535	4.89
13)	S	4-Methylphenol-d8		1.327	1.435	1.521	1.548	1.515	1.469	6.14
14)		Acetophenone		2.295	2.296	2.396	2.356	2.243	2.317	2.57
15)	P	N-Nitroso-di-n-pr	1.166	1.290	1.332	1.354	1.319		1.292	5.74
16)		4-Methylphenol		1.461	1.532	1.599	1.616	1.564	1.555	3.95
17)		Hexachloroethane	0.577	0.599	0.608	0.621	0.630		0.607	3.43
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.126	0.137	0.147	0.160	0.163		0.147	10.60
20)		Nitrobenzene	0.376	0.400	0.409	0.438	0.434		0.411	6.21
21)		Isophorone	0.728	0.783	0.784	0.827	0.830		0.790	5.27
22)	S	2-Nitrophenol-d4	0.131	0.154	0.162	0.182	0.188		0.163	14.17
23)	C	2-Nitrophenol	0.149	0.165	0.174	0.193	0.195		0.175	11.25
24)		2,4-Dimethylpheno	0.349	0.385	0.388	0.410	0.407		0.388	6.29
25)		Bis(2-Chloroethox	0.464	0.472	0.472	0.486	0.485		0.476	1.98
26)	S	2,4-Dichloropheno	0.270	0.302	0.315	0.335	0.338		0.312	8.80
27)	C	2,4-Dichloropheno	0.284	0.296	0.309	0.325	0.320		0.307	5.45
28)		Naphthalene	1.053	1.039	1.053	1.092	1.073		1.062	1.94
29)	S	4-Chloroaniline-d		0.356	0.328	0.417	0.390	0.319	0.362	11.41
30)		4-Chloroaniline		0.360	0.325	0.417	0.385	0.318	0.361	11.49
31)	C	Hexachlorobutadie	0.197	0.199	0.195	0.201	0.204		0.199	1.78
32)		Caprolactam		0.102	0.106	0.113	0.118	0.116	0.111	6.00
33)	C	4-Chloro-3-methyl	0.349	0.373	0.381	0.393	0.397		0.379	5.12
34)		2-Methylnaphthale	0.733	0.738	0.751	0.764	0.765		0.750	1.94
35)		1-Methylnaphthale	0.752	0.769	0.761	0.778	0.769		0.766	1.26
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.546	0.556	0.575	0.608	0.599		0.577	4.63
38)		Hexachlorocyclope		0.281	0.325	0.390	0.402	0.405	0.361	15.35
39)	C	2,4,6-Trichloroph	0.324	0.355	0.373	0.410	0.412		0.375	9.96
40)		2,4,5-Trichloroph	0.353	0.386	0.408	0.434	0.434		0.403	8.51
41)		1,1'-Biphenyl	1.444	1.476	1.483	1.551	1.515		1.494	2.71
42)		2-Chloronaphthale	1.113	1.160	1.157	1.230	1.196		1.171	3.78
43)		2-Nitroaniline	0.367	0.417	0.434	0.486	0.492		0.439	11.76
44)	S	Dimethylphthalate	1.435	1.456	1.477	1.526	1.498		1.478	2.40
45)		Dimethylphthalate	1.478	1.500	1.522	1.579	1.515		1.519	2.47
46)		2,6-Dinitrotoluen	0.259	0.284	0.308	0.331	0.343		0.305	11.28
47)	S	Acenaphthylene-d8	1.601	1.754	1.769	1.865	1.851		1.768	5.95
48)		Acenaphthylene	1.770	1.881	1.873	1.989	1.927		1.888	4.26
49)		3-Nitroaniline		0.256	0.220	0.310	0.293	0.272	0.270	12.83
50)	C	Acenaphthene	1.233	1.269	1.263	1.301	1.283		1.270	1.98
51)		2,4-Dinitrophenol		0.135	0.162	0.204	0.221	0.231	0.191	21.44

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.254	0.265	0.291	0.295	0.294	0.280	6.77
53)		4-Nitrophenol		0.225	0.234	0.250	0.252	0.242	0.241	4.73
54)		Dibenzofuran	1.717	1.774	1.741	1.808	1.745		1.757	2.00
55)		2,4-Dinitrotoluen	0.384	0.425	0.446	0.487	0.477		0.444	9.42
56)		2,3,4,6-Tetrachlo	0.313	0.343	0.343	0.385	0.379		0.353	8.38
57)		Diethylphthalate	1.518	1.577	1.568	1.637	1.604		1.581	2.80
58)	S	Fluorene-d10	1.250	1.278	1.273	1.335	1.295		1.286	2.46
59)		Fluorene	1.460	1.483	1.467	1.538	1.451		1.480	2.34
60)		4-Chlorophenyl-ph	0.733	0.731	0.730	0.757	0.739		0.738	1.55
61)		4-Nitroaniline		0.303	0.254	0.344	0.323	0.318	0.308	11.03
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.110	0.120	0.136	0.138	0.139	0.129	9.98
64)		4,6-Dinitro-2-met		0.118	0.128	0.141	0.145	0.143	0.135	8.75
65)		N-Nitrosodiphenyl	0.565	0.577	0.583	0.613	0.585		0.585	3.03
66)		4-Bromophenyl-phe	0.198	0.199	0.197	0.215	0.212		0.204	4.24
67)		Hexachlorobenzene	0.221	0.227	0.222	0.238	0.237		0.229	3.55
68)		Atrazine		0.215	0.219	0.230	0.230	0.217	0.222	3.34
69)	C	Pentachlorophenol		0.116	0.126	0.143	0.151	0.154	0.138	12.04
70)		Phenanthrene	1.076	1.110	1.106	1.135	1.100		1.105	1.90
71)	S	Anthracene-d10	0.867	0.905	0.913	0.938	0.917		0.908	2.86
72)		Anthracene	1.099	1.118	1.118	1.141	1.112		1.118	1.36
73)		1,2,3,4-Tetrachlo	0.257	0.264	0.265	0.286	0.280		0.271	4.50
74)		Pentachlorobenzen	0.250	0.256	0.259	0.272	0.272		0.262	3.81
75)		Carbazole		0.929	0.950	0.985	0.973	0.918	0.951	2.99
76)		Di-n-butylphthala	1.150	1.222	1.277	1.325	1.302		1.255	5.60
77)	C	Fluoranthene	1.240	1.267	1.253	1.324	1.268		1.270	2.54
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	1.001	1.088	1.075	1.137	1.135		1.087	5.12
80)		Pyrene	1.378	1.461	1.441	1.472	1.451		1.441	2.54
81)		Butylbenzylphthal	0.496	0.587	0.593	0.672	0.673		0.604	12.13
82)		3,3'-Dichlorobenz		0.434	0.344	0.489	0.456	0.398	0.424	13.18
83)		Benzo(a)anthracen	1.290	1.397	1.317	1.399	1.396		1.360	3.86
84)		Bis(2-ethylhexyl)	0.767	0.895	0.899	1.001	0.996		0.911	10.47
85)		Chrysene	1.274	1.371	1.314	1.380	1.276		1.323	3.82
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.334	1.427	1.645	1.649	1.406	1.492	9.75
88)		Benzo(b)fluoranth	1.207	1.200	1.187	1.318	1.391		1.261	7.13
89)		Benzo(k)fluoranth	1.211	1.242	1.198	1.332	1.241		1.245	4.19
90)	S	Benzo(a)pyrene-d1	0.917	0.974	0.967	1.075	1.052		0.997	6.53
91)	C	Benzo(a)pyrene	1.073	1.113	1.089	1.157	1.161		1.119	3.54
92)		Indeno(1,2,3-cd)p	1.139	1.193	1.203	1.288	1.237		1.212	4.56
93)		Dibenzo(a,h)anthr	0.958	1.002	1.006	1.088	1.039		1.018	4.74
94)		Benzo(g,h,i)peryl	0.937	0.976	0.954	1.033	0.984		0.977	3.73

(#) = Out of Range