Response Factor Report BNA_N

Method Path : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\
Method File : SOM-EPA-BN012220MA.M
Title : SVOA CALIBRATION
Last Update : Wed Jan 22 15:13:20 2020
Response Via : Initial Calibration

Calibration Files
5 =BN009414.D 10 =BN009415.D 20 =BN009416.D
40 =BN009417.D 80 =BN009418.D 160 =BN009419.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.617	0.471	0.536	0.542	0.525		0.538	9.72
3)	S	1,4-Dioxane-d8	0.471	0.451	0.499	0.507	0.489		0.484	4.65
4)		Benzaldehyde		1.219	0.722	1.191	0.985	0.538	0.931	31.85
5)	S	Phenol-d5		1.549	1.679	1.841	1.938	1.862	1.774	8.86
6)		Phenol		1.630	1.784	1.931	2.011	1.934	1.858	8.15
7)	S	Bis-(2-Chloroethy		1.217	1.236	1.292	1.313	1.236	1.259	3.28
8)		Bis(2-Chloroethyl		1.423	1.474	1.521	1.559	1.474	1.490	3.48
9)	S	2-Chlorophenol-d4	1.112	1.206	1.315	1.380	1.462		1.295	10.69
10)		2-Chlorophenol	1.198	1.291	1.357	1.412	1.478		1.347	8.04
11)		2-Methylphenol		1.214	1.326	1.415	1.478	1.427	1.372	7.57
12)		2,2'-oxybis(1-Chl		3.989	3.947	4.021	3.989	3.630	3.915	4.12
13)	S	4-Methylphenol-d8		1.253	1.377	1.474	1.516	1.438	1.412	7.25
14)		Acetophenone		2.129	2.274	2.374	2.400	2.227	2.281	4.84
15)	P	N-Nitroso-di-n-pr	1.056	1.194	1.259	1.332	1.351		1.239	9.64
16)		4-Methylphenol		1.371	1.471	1.556	1.612	1.503	1.503	6.06
17)		Hexachloroethane	0.604	0.604	0.620	0.637	0.656		0.624	3.54
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.123	0.135	0.146	0.159	0.164		0.145	11.50
20)		Nitrobenzene	0.395	0.416	0.422	0.452	0.454		0.428	5.92
21)		Isophorone	0.646	0.745	0.760	0.824	0.819		0.759	9.48
22)	S	2-Nitrophenol-d4	0.110	0.139	0.159	0.173	0.182		0.153	18.97
23)	C	2-Nitrophenol	0.127	0.158	0.172	0.189	0.194		0.168	16.17
24)		2,4-Dimethylpheno	0.343	0.376	0.383	0.412	0.414		0.386	7.54
25)		Bis(2-Chloroethox	0.426	0.457	0.460	0.491	0.489		0.465	5.71
26)	S	2,4-Dichloropheno	0.254	0.290	0.307	0.327	0.335		0.302	10.61
27)	C	2,4-Dichloropheno	0.251	0.286	0.299	0.322	0.324		0.296	10.14
28)		Naphthalene	1.052	1.060	1.079	1.109	1.082		1.076	2.05
29)	S	4-Chloroaniline-d		0.364	0.367	0.417	0.380	0.299	0.365	11.72
30)		4-Chloroaniline		0.366	0.368	0.426	0.382	0.299	0.368	12.35
31)	C	Hexachlorobutadie	0.198	0.199	0.204	0.212	0.204		0.203	2.65
32)		Caprolactam		0.084	0.098	0.108	0.108	0.110	0.101	10.68
33)	C	4-Chloro-3-methyl	0.311	0.348	0.358	0.391	0.389		0.359	9.17
34)		2-Methylnaphthale	0.701	0.719	0.741	0.785	0.759		0.741	4.49
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.532	0.562	0.589	0.605	0.602		0.578	5.32
37)		Hexachlorocyclope		0.278	0.321	0.366	0.389	0.408	0.352	14.93
38)	C	2,4,6-Trichloroph	0.288	0.338	0.364	0.390	0.407		0.357	13.17
39)		2,4,5-Trichloroph	0.337	0.374	0.402	0.419	0.435		0.393	9.86
40)		1,1'-Biphenyl	1.407	1.478	1.540	1.591	1.556		1.514	4.81
41)		2-Chloronaphthale	1.132	1.162	1.198	1.252	1.235		1.196	4.16
42)		2-Nitroaniline	0.335	0.403	0.446	0.491	0.508		0.437	16.04
43)	S	Dimethylphthalate	1.353	1.446	1.544	1.530	1.529		1.480	5.46
44)		Dimethylphthalate	1.390	1.494	1.603	1.566	1.566		1.524	5.56
45)		2,6-Dinitrotoluen	0.222	0.272	0.302	0.321	0.333		0.290	15.37
46)	S	Acenaphthylene-d8	1.526	1.698	1.801	1.895	1.864		1.757	8.50
47)		Acenaphthylene	1.699	1.838	1.941	2.022	1.980		1.896	6.82
48)		3-Nitroaniline		0.255	0.237	0.307	0.280	0.275	0.271	9.75
49)	C	Acenaphthene	1.227	1.255	1.306	1.343	1.337		1.293	3.96
50)		2,4-Dinitrophenol		0.104	0.143	0.175	0.202	0.217	0.168	26.96
51)	S	4-Nitrophenol-d4		0.225	0.275	0.288	0.295	0.295	0.275	10.67

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.222	0.266	0.264	0.266	0.257	0.255	7.41
53)		Dibenzofuran	1.721	1.770	1.834	1.850	1.811		1.797	2.89
54)		2,4-Dinitrotoluen	0.331	0.406	0.471	0.479	0.476		0.432	14.89
55)		2,3,4,6-Tetrachlo	0.261	0.320	0.356	0.367	0.375		0.336	13.97
56)		Diethylphthalate	1.395	1.499	1.653	1.632	1.613		1.558	7.00
57)	S	Fluorene-d10	1.222	1.271	1.340	1.356	1.307		1.299	4.18
58)		Fluorene	1.429	1.473	1.560	1.564	1.503		1.506	3.85
59)		4-Chlorophenyl-ph	0.710	0.734	0.753	0.774	0.741		0.742	3.15
60)		4-Nitroaniline		0.271	0.261	0.339	0.319	0.338	0.306	12.17
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.096	0.114	0.126	0.133	0.138	0.121	13.78
63)		4,6-Dinitro-2-met		0.108	0.124	0.134	0.139	0.139	0.129	10.14
64)		N-Nitrosodiphenyl	0.544	0.599	0.604	0.615	0.599		0.592	4.69
65)		4-Bromophenyl-phe	0.184	0.199	0.205	0.208	0.212		0.202	5.46
66)		Hexachlorobenzene	0.206	0.223	0.225	0.231	0.234		0.224	5.01
67)		Atrazine		0.209	0.205	0.227	0.225	0.217	0.217	4.48
68)	C	Pentachlorophenol		0.100	0.122	0.137	0.142	0.147	0.130	14.64
69)		Phenanthrene	1.103	1.130	1.139	1.154	1.117		1.128	1.74
70)	S	Anthracene-d10	0.857	0.914	0.952	0.969	0.934		0.925	4.68
71)		Anthracene	1.095	1.137	1.173	1.179	1.161		1.149	2.98
72)		1,2,3,4-Tetrachlo	0.259	0.271	0.268	0.286	0.287		0.274	4.45
73)		Pentachlorobenzen	0.251	0.268	0.262	0.274	0.277		0.266	3.85
74)		Carbazole		0.947	1.005	1.012	0.996	0.958	0.984	3.00
75)		Di-n-butylphthala	1.001	1.156	1.266	1.287	1.298		1.202	10.45
76)	C	Fluoranthene		1.252	1.336	1.338	1.284	1.258	1.294	3.22
77)	I	Chrysene-d12	----------ISTD----------							
78)	S	Pyrene-d10	0.960	1.052	1.164	1.083	1.121		1.076	7.19
79)		Pyrene	1.365	1.414	1.541	1.454	1.467		1.448	4.51
80)		Butylbenzylphthal	0.424	0.505	0.602	0.610	0.654		0.559	16.66
81)		3,3'-Dichlorobenz		0.380	0.387	0.460	0.446	0.436	0.422	8.54
82)		Benzo(a)anthracen	1.315	1.328	1.436	1.360	1.371		1.362	3.46
83)		Bis(2-ethylhexyl)	0.647	0.782	0.914	0.934	0.961		0.848	15.50
84)		Chrysene	1.258	1.277	1.421	1.325	1.352		1.327	4.86
85)	I	Perylene-d12	----------ISTD----------							
86)		Di-n-octyl phthal		1.199	1.412	1.516	1.529	1.497	1.431	9.59
87)		Benzo(b)fluoranth	1.106	1.204	1.347	1.348	1.318		1.265	8.43
88)		Benzo(k)fluoranth	1.146	1.201	1.300	1.304	1.267		1.243	5.50
89)	S	Benzo(a)pyrene-d1	0.896	0.949	1.047	1.078	1.078		1.010	8.22
90)	C	Benzo(a)pyrene	0.994	1.086	1.166	1.239	1.191		1.135	8.51
91)		Indeno(1,2,3-cd)p	1.248	1.306	1.412	1.472	1.441		1.376	6.91
92)		Dibenzo(a,h)anthr	1.043	1.096	1.204	1.230	1.231		1.161	7.42
93)		Benzo(g,h,i)peryl	1.050	1.092	1.175	1.196	1.208		1.144	6.08

(#) = Out of Range