Response Factor Report BNA_N

Method Path : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\
Method File : SOM-EPA-BN031420MA.M
Title : SVOA CALIBRATION
Last Update : Mon Mar 16 05:49:03 2020
Response Via : Initial Calibration

Calibration Files
5 =BN010215.D 10 =BN010216.D 20 =BN010217.D
40 =BN010218.D 80 =BN010219.D 160 =BN010220.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.514	0.477	0.520	0.483	0.461		0.491	5.09
3)	S	1,4-Dioxane-d8	0.484	0.441	0.509	0.451	0.435		0.464	6.78
4)		Benzaldehyde		1.061	0.671	1.086	0.948	0.685	0.890	22.53
5)	S	Phenol-d5		1.435	1.588	1.553	1.534	1.743	1.571	7.12
6)		Phenol		1.539	1.714	1.635	1.638	1.796	1.664	5.78
7)	S	Bis-(2-Chloroethy		0.864	0.969	0.913	0.883	0.960	0.918	5.04
8)		Bis(2-Chloroethyl		1.238	1.335	1.305	1.258	1.376	1.302	4.31
9)	S	2-Chlorophenol-d4	1.160	1.159	1.312	1.275	1.284		1.238	5.90
10)		2-Chlorophenol	1.205	1.218	1.370	1.322	1.331		1.289	5.68
11)		2-Methylphenol		1.160	1.304	1.249	1.236	1.373	1.264	6.30
12)		2,2'-oxybis(1-Chl		1.504	1.668	1.517	1.469	1.587	1.549	5.10
13)	S	4-Methylphenol-d8		1.140	1.301	1.245	1.242	1.377	1.261	6.91
14)		Acetophenone		1.951	2.160	1.982	1.958	2.116	2.033	4.80
15)	P	N-Nitroso-di-n-pr	1.001	0.980	1.097	1.035	0.992		1.021	4.60
16)		4-Methylphenol		1.223	1.406	1.342	1.320	1.467	1.351	6.80
17)		Hexachloroethane	0.554	0.548	0.615	0.578	0.564		0.572	4.64
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.118	0.120	0.136	0.141	0.143		0.132	9.15
20)		Nitrobenzene	0.329	0.333	0.360	0.370	0.361		0.351	5.13
21)		Isophorone	0.716	0.708	0.750	0.726	0.692		0.718	2.98
22)	S	2-Nitrophenol-d4	0.086	0.091	0.106	0.121	0.134		0.108	18.60
23)	C	2-Nitrophenol	0.091	0.108	0.129	0.148	0.157		0.127	21.61#
24)		2,4-Dimethylpheno	0.350	0.353	0.375	0.371	0.356		0.361	3.16
25)		Bis(2-Chloroethox	0.418	0.415	0.439	0.428	0.411		0.422	2.69
26)	S	2,4-Dichloropheno	0.277	0.285	0.311	0.320	0.320		0.303	6.73
27)	C	2,4-Dichloropheno	0.282	0.290	0.317	0.320	0.312		0.304	5.57
28)		Naphthalene	1.099	1.053	1.133	1.080	1.048		1.083	3.25
29)	S	4-Chloroaniline-d		0.365	0.377	0.407	0.373	0.339	0.372	6.61
30)		4-Chloroaniline		0.365	0.376	0.410	0.375	0.338	0.373	6.88
31)	C	Hexachlorobutadie	0.237	0.223	0.239	0.231	0.221		0.230	3.55
32)		Caprolactam		0.093	0.102	0.102	0.101	0.110	0.102	5.90
33)	C	4-Chloro-3-methyl	0.299	0.309	0.326	0.331	0.323		0.318	4.21
34)		2-Methylnaphthale	0.784	0.754	0.800	0.778	0.740		0.771	3.12
35)		1-Methylnaphthale	0.789	0.752	0.805	0.761	0.730		0.767	3.88
36)	I	Acenaphthene-d10	----------	ISTD	----------					
37)		1,2,4,5-Tetrachlo	0.629	0.629	0.688	0.679	0.641		0.653	4.34
38)		Hexachlorocyclope		0.385	0.437	0.455	0.450	0.472	0.440	7.52
39)	C	2,4,6-Trichloroph	0.309	0.316	0.363	0.377	0.384		0.350	10.09
40)		2,4,5-Trichloroph	0.337	0.353	0.400	0.412	0.412		0.383	9.28
41)		1,1'-Biphenyl	1.535	1.470	1.621	1.588	1.504		1.544	3.97
42)		2-Chloronaphthale	1.208	1.196	1.308	1.268	1.206		1.237	3.94
43)		2-Nitroaniline	0.190	0.219	0.265	0.289	0.310		0.255	19.42
44)	S	Dimethylphthalate	1.496	1.499	1.573	1.524	1.453		1.509	2.92
45)		Dimethylphthalate	1.572	1.558	1.651	1.592	1.509		1.576	3.29
46)		2,6-Dinitrotoluen	0.191	0.236	0.270	0.297	0.307		0.260	18.23
47)	S	Acenaphthylene-d8	1.822	1.788	1.943	1.903	1.808		1.853	3.61
48)		Acenaphthylene	1.927	1.898	2.058	2.004	1.892		1.956	3.71
49)		3-Nitroaniline		0.209	0.205	0.279	0.261	0.255	0.242	13.67
50)	C	Acenaphthene	1.339	1.291	1.401	1.341	1.298		1.334	3.29
51)		2,4-Dinitrophenol		0.061	0.074	0.093	0.114	0.151	0.099	36.22

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)	S	4-Nitrophenol-d4		0.186	0.209	0.237	0.248	0.279	0.232	15.39
53)		4-Nitrophenol		0.165	0.185	0.199	0.201	0.218	0.194	10.18
54)		Dibenzofuran	1.874	1.820	1.935	1.883	1.749		1.852	3.81
55)		2,4-Dinitrotoluen	0.258	0.324	0.386	0.424	0.436		0.366	20.27
56)		2,3,4,6-Tetrachlo	0.252	0.277	0.313	0.320	0.339		0.300	11.63
57)		Diethylphthalate	1.537	1.532	1.628	1.577	1.530		1.561	2.71
58)	S	Fluorene-d10	1.321	1.307	1.408	1.362	1.295		1.339	3.47
59)		Fluorene	1.588	1.544	1.615	1.581	1.471		1.560	3.58
60)		4-Chlorophenyl-ph	0.807	0.787	0.836	0.804	0.738		0.794	4.51
61)		4-Nitroaniline		0.267	0.242	0.331	0.314	0.317	0.294	12.83
62)	I	Phenanthrene-d10	----------ISTD----------							
63)	S	4,6-Dinitro-2-met		0.049	0.060	0.073	0.086	0.108	0.075	30.64
64)		4,6-Dinitro-2-met		0.058	0.069	0.088	0.101	0.124	0.088	29.79
65)		N-Nitrosodiphenyl	0.581	0.569	0.617	0.600	0.567		0.587	3.66
66)		4-Bromophenyl-phe	0.212	0.207	0.229	0.219	0.206		0.215	4.39
67)		Hexachlorobenzene	0.250	0.229	0.258	0.247	0.229		0.242	5.42
68)		Atrazine		0.224	0.241	0.240	0.224	0.242	0.234	3.94
69)	C	Pentachlorophenol		0.091	0.105	0.115	0.122	0.140	0.115	15.86
70)		Phenanthrene	1.168	1.084	1.199	1.123	1.066		1.128	4.95
71)	S	Anthracene-d10	0.947	0.909	0.986	0.951	0.878		0.934	4.48
72)		Anthracene	1.177	1.119	1.215	1.147	1.085		1.149	4.40
73)		1,2,3,4-Tetrachlo	0.308	0.291	0.327	0.326	0.309		0.312	4.77
74)		Pentachlorobenzen	0.301	0.284	0.316	0.314	0.283		0.300	5.28
75)		Carbazole		0.966	1.061	1.001	0.954	0.932	0.983	5.10
76)		Di-n-butylphthala	1.111	1.129	1.258	1.236	1.176		1.182	5.47
77)	C	Fluoranthene		1.322	1.452	1.375	1.297	1.018	1.293	12.72
78)	I	Chrysene-d12	----------ISTD----------							
79)	S	Pyrene-d10	1.043	1.050	1.144	1.121	1.012		1.074	5.20
80)		Pyrene	1.432	1.454	1.542	1.478	1.314		1.444	5.79
81)		Butylbenzylphthal	0.354	0.421	0.497	0.544	0.546		0.472	17.69
82)		3,3'-Dichlorobenz		0.420	0.417	0.508	0.450	0.451	0.449	8.07
83)		Benzo(a)anthracen	1.403	1.365	1.541	1.446	1.322		1.415	5.94
84)		Bis(2-ethylhexyl)	0.658	0.720	0.822	0.852	0.807		0.772	10.43
85)		Chrysene	1.374	1.329	1.441	1.407	1.261		1.362	5.15
86)	I	Perylene-d12	----------ISTD----------							
87)		Di-n-octyl phthal		1.051	1.187	1.274	1.220	0.938	1.134	12.10
88)		Benzo(b)fluoranth	1.209	1.249	1.302	1.337	1.193		1.258	4.87
89)		Benzo(k)fluoranth	1.200	1.217	1.322	1.215	1.210		1.233	4.09
90)	S	Benzo(a)pyrene-d1	0.946	0.936	1.033	1.069	0.989		0.994	5.68
91)	C	Benzo(a)pyrene	1.103	1.135	1.232	1.224	1.091		1.157	5.76
92)		Indeno(1,2,3-cd)p	1.381	1.404	1.496	1.513	1.412		1.441	4.11
93)		Dibenzo(a,h)anthr	1.157	1.168	1.236	1.239	1.160		1.192	3.51
94)		Benzo(g,h,i)peryl	1.140	1.141	1.239	1.235	1.175		1.186	4.09

(#) = Out of Range