Response Factor Report BNA_N

Method Path : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\
Method File : SOM-EPA-BN041919MA.M
Title : SVOA CALIBRATION
Last Update : Fri Apr 19 04:25:06 2019
Response Via : Initial Calibration

Calibration Files
5 =BN005157.D 10 =BN005158.D 20 =BN005159.D
40 =BN005160.D 80 =BN005161.D 160 =BN005162.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.453	0.433	0.445	0.462	0.435		0.446	2.73
3)	S	1,4-Dioxane-d8	0.401	0.426	0.410	0.421	0.413		0.414	2.34
4)		Benzaldehyde		1.120	1.146	1.170	1.125	1.005	1.113	5.73
5)	S	Phenol-d5		1.533	1.606	1.624	1.578	1.512	1.571	3.02
6)		Phenol		1.588	1.657	1.694	1.609	1.531	1.616	3.88
7)	S	Bis-(2-Chloroethy		1.010	0.989	1.007	0.968	0.925	0.980	3.54
8)		Bis(2-Chloroethyl		1.314	1.302	1.337	1.288	1.227	1.294	3.19
9)	S	2-Chlorophenol-d4	1.120	1.186	1.205	1.263	1.237		1.202	4.55
10)		2-Chlorophenol	1.184	1.237	1.247	1.288	1.257		1.243	3.04
11)		2-Methylphenol		1.196	1.246	1.254	1.211	1.147	1.211	3.55
12)		2,2'-oxybis(1-Chl		2.242	2.237	2.234	2.139	2.009	2.172	4.65
13)	S	4-Methylphenol-d8		1.203	1.274	1.274	1.227	1.161	1.228	3.95
14)		Acetophenone		2.059	2.090	2.028	1.897	1.752	1.965	7.13
15)	P	N-Nitroso-di-n-pr	1.039	1.056	1.108	1.056	0.997		1.051	3.79
16)		4-Methylphenol		1.319	1.374	1.351	1.286	1.208	1.308	4.96
17)		Hexachloroethane	0.531	0.529	0.529	0.564	0.546		0.540	2.82
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.103	0.113	0.124	0.135	0.140		0.123	12.39
20)		Nitrobenzene	0.311	0.327	0.339	0.358	0.359		0.339	6.12
21)		Isophorone	0.633	0.665	0.683	0.692	0.681		0.671	3.44
22)	S	2-Nitrophenol-d4	0.096	0.107	0.126	0.143	0.152		0.125	18.97
23)	C	2-Nitrophenol	0.112	0.128	0.146	0.159	0.162		0.141	14.94
24)		2,4-Dimethylpheno	0.341	0.350	0.360	0.362	0.358		0.354	2.44
25)		Bis(2-Chloroethox	0.416	0.425	0.419	0.429	0.419		0.422	1.26
26)	S	2,4-Dichloropheno	0.267	0.279	0.287	0.299	0.298		0.286	4.76
27)	C	2,4-Dichloropheno	0.270	0.277	0.284	0.293	0.288		0.282	3.15
28)		Naphthalene	0.935	0.935	0.927	0.939	0.912		0.930	1.19
29)	S	4-Chloroaniline-d		0.275	0.287	0.312	0.315	0.286	0.295	5.97
30)		4-Chloroaniline		0.287	0.296	0.319	0.316	0.284	0.300	5.42
31)	C	Hexachlorobutadie	0.195	0.195	0.193	0.208	0.206		0.199	3.58
32)		Caprolactam		0.078	0.091	0.090	0.084	0.084	0.085	6.18
33)	C	4-Chloro-3-methyl	0.298	0.314	0.332	0.328	0.318		0.318	4.10
34)		2-Methylnaphthale	0.693	0.692	0.688	0.682	0.649		0.681	2.67
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.598	0.611	0.607	0.643	0.635		0.619	3.15
37)		Hexachlorocyclope		0.371	0.385	0.435	0.453	0.465	0.422	9.92
38)	C	2,4,6-Trichloroph	0.328	0.359	0.379	0.399	0.401		0.373	8.23
39)		2,4,5-Trichloroph	0.354	0.382	0.410	0.431	0.427		0.401	8.12
40)		1,1'-Biphenyl	1.497	1.498	1.482	1.510	1.463		1.490	1.22
41)		2-Chloronaphthale	1.137	1.152	1.135	1.169	1.138		1.146	1.25
42)		2-Nitroaniline	0.225	0.270	0.318	0.347	0.360		0.304	18.47
43)	S	Dimethylphthalate	1.422	1.468	1.478	1.476	1.415		1.452	2.11
44)		Dimethylphthalate	1.445	1.467	1.479	1.449	1.393		1.447	2.28
45)		2,6-Dinitrotoluen	0.193	0.223	0.264	0.280	0.290		0.250	16.37
46)	S	Acenaphthylene-d8	1.708	1.786	1.811	1.836	1.774		1.783	2.70
47)		Acenaphthylene	1.734	1.767	1.772	1.788	1.701		1.752	1.99
48)		3-Nitroaniline		0.198	0.227	0.246	0.256	0.234	0.232	9.60
49)	C	Acenaphthene	1.194	1.213	1.203	1.206	1.166		1.196	1.54
50)		2,4-Dinitrophenol		0.080	0.101	0.124	0.142	0.162	0.122	26.61
51)	S	4-Nitrophenol-d4		0.194	0.233	0.240	0.243	0.237	0.229	8.64

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.183	0.215	0.215	0.217	0.211	0.208	6.73
53)		Dibenzofuran	1.737	1.752	1.743	1.730	1.651		1.722	2.37
54)		2,4-Dinitrotoluen	0.277	0.327	0.390	0.404	0.403		0.360	15.63
55)		2,3,4,6-Tetrachlo	0.289	0.323	0.347	0.355	0.355		0.334	8.47
56)		Diethylphthalate	1.406	1.446	1.504	1.479	1.418		1.451	2.82
57)	S	Fluorene-d10	1.230	1.231	1.242	1.229	1.159		1.218	2.75
58)		Fluorene	1.385	1.388	1.364	1.338	1.245		1.344	4.37
59)		4-Chlorophenyl-ph	0.739	0.732	0.724	0.708	0.663		0.713	4.23
60)		4-Nitroaniline		0.255	0.297	0.305	0.305	0.285	0.289	7.19
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.062	0.079	0.094	0.104	0.111	0.090	21.87
63)		4,6-Dinitro-2-met		0.070	0.087	0.100	0.110	0.113	0.096	18.41
64)		N-Nitrosodiphenyl	0.542	0.552	0.545	0.555	0.542		0.547	1.08
65)		4-Bromophenyl-phe	0.195	0.201	0.196	0.209	0.206		0.201	3.00
66)		Hexachlorobenzene	0.210	0.212	0.212	0.220	0.220		0.215	2.31
67)		Atrazine		0.193	0.203	0.212	0.209	0.201	0.204	3.66
68)	C	Pentachlorophenol		0.103	0.121	0.130	0.136	0.138	0.126	11.37
69)		Phenanthrene	0.986	0.987	0.969	0.983	0.945		0.974	1.81
70)	S	Anthracene-d10	0.829	0.844	0.839	0.853	0.827		0.838	1.27
71)		Anthracene	0.994	1.010	1.000	1.000	0.958		0.992	2.04
72)		1,2,3,4-Tetrachlo	0.279	0.288	0.277	0.306	0.311		0.292	5.29
73)		Pentachlorobenzen	0.262	0.262	0.250	0.269	0.271		0.263	3.12
74)		Carbazole		0.866	0.882	0.887	0.850	0.776	0.852	5.30
75)		Di-n-butylphthala	0.945	1.034	1.127	1.146	1.095		1.069	7.61
76)	C	Fluoranthene		1.089	1.130	1.137	1.087	0.959	1.080	6.61
77)	I	Chrysene-d12	----------ISTD----------							
78)	S	Pyrene-d10	1.039	1.011	1.061	1.017	0.987		1.023	2.75
79)		Pyrene	1.346	1.286	1.331	1.264	1.212		1.288	4.19
80)		Butylbenzylphthal	0.411	0.463	0.543	0.564	0.568		0.510	13.73
81)		3,3'-Dichlorobenz		0.353	0.378	0.416	0.440	0.411	0.400	8.52
82)		Benzo(a)anthracen	1.238	1.244	1.256	1.255	1.228		1.244	0.94
83)		Bis(2-ethylhexyl)	0.640	0.755	0.822	0.869	0.839		0.785	11.59
84)		Chrysene	1.173	1.154	1.151	1.166	1.130		1.155	1.44
85)	I	Perylene-d12	----------ISTD----------							
86)		Di-n-octyl phthal		1.188	1.356	1.367	1.261	0.952	1.225	13.83
87)		Benzo(b)fluoranth	1.106	1.109	1.141	1.173	1.092		1.124	2.89
88)		Benzo(k)fluoranth	1.028	1.077	1.115	1.080	1.068		1.074	2.89
89)	S	Benzo(a)pyrene-d1	0.829	0.849	0.879	0.918	0.895		0.874	4.07
90)	C	Benzo(a)pyrene	1.016	1.054	1.067	1.096	1.050		1.057	2.75
91)		Indeno(1,2,3-cd)p	1.095	1.136	1.113	1.258	1.240		1.168	6.45
92)		Dibenzo(a,h)anthr	0.936	0.970	0.948	1.064	1.039		0.992	5.72
93)		Benzo(g,h,i)peryl	0.897	0.930	0.911	1.042	1.050		0.966	7.69

(#) = Out of Range