Response Factor Report Instrumen

Method Path : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\
Method File : 8270-BF120518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Dec 05 17:30:55 2018
Response Via : Initial Calibration

Calibration Files
2.5 =BF111105.D 10 =BF111106.D 25 =BF111107.D 40 =BF111108.D 50 =BF111109.D 60 =BF111110.D 80 =BF111111.D

		Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------						
2)		1,4-Dioxane	0.777	0.777	0.746	0.731	0.706	0.713	0.710	0.737	4.12
3)		Pyridine	1.619	1.690	1.674	1.628	1.599	1.609	1.626	1.635	2.07
4)		n-Nitrosodimet...	0.791	0.819	0.801	0.809	0.792	0.806	0.817	0.805	1.36
5)	S	2-Fluorophenol	1.498	1.425	1.328	1.252	1.183	1.149	1.137	1.282	10.96
6)		Aniline	2.434	2.352	2.242	2.200	2.087	2.062	2.064	2.206	6.67
7)	S	Phenol-d6	1.916	1.844	1.687	1.618	1.521	1.499	1.473	1.651	10.52
8)		2-Chlorophenol	1.718	1.617	1.506	1.462	1.362	1.351	1.323	1.477	10.03
9)		Benzaldehyde		1.229	1.014	0.915	0.828	0.776	0.720	0.914	20.38
10)	C	Phenol	2.037	1.958	1.832	1.745	1.675	1.680	1.675	1.800	8.20
11)		bis(2-Chloroet...	1.685	1.595	1.494	1.447	1.362	1.382	1.335	1.471	8.80
12)		1,3-Dichlorobe...	1.866	1.707	1.604	1.520	1.459	1.439	1.403	1.571	10.63
13)	C	1,4-Dichlorobe...	1.811	1.763	1.611	1.547	1.478	1.452	1.405	1.581	9.88
14)		1,2-Dichlorobe...	1.756	1.648	1.509	1.451	1.344	1.326	1.261	1.471	12.27
15)		Benzyl Alcohol	1.436	1.425	1.335	1.299	1.243	1.224	1.195	1.308	7.31
16)		2,2'-oxybis(1-...	3.221	3.122	2.906	2.852	2.688	2.655	2.590	2.862	8.39
17)		2-Methylphenol	1.314	1.292	1.219	1.197	1.158	1.161	1.148	1.213	5.51
18)		Hexachloroethane	0.642	0.624	0.596	0.600	0.566	0.564	0.560	0.593	5.35
19)	P	n-Nitroso-di-n...	1.226	1.201	1.107	1.080	1.047	1.056	1.050	1.110	6.70
20)		3+4-Methylphenols	1.773	1.681	1.530	1.445	1.334	1.322	1.268	1.479	12.98
21)	I	Naphthalene-d8	----------	ISTD	----------						
22)		Acetophenone	0.590	0.533	0.494	0.467	0.440	0.441	0.418	0.483	12.58
23)	S	Nitrobenzene-d5	0.320	0.357	0.354	0.345	0.335	0.331	0.323	0.338	4.31
24)		Nitrobenzene	0.360	0.378	0.383	0.371	0.359	0.350	0.342	0.363	4.08
25)		Isophorone	0.676	0.665	0.625	0.606	0.588	0.594	0.586	0.620	5.97
26)	C	2-Nitrophenol	0.109	0.142	0.160	0.164	0.164	0.169	0.167	0.154	14.03
27)		2,4-Dimethylph...	0.324	0.311	0.293	0.283	0.273	0.272	0.268	0.289	7.42
28)		bis(2-Chloroet...	0.476	0.457	0.429	0.414	0.393	0.396	0.375	0.420	8.68
29)	C	2,4-Dichloroph...	0.298	0.302	0.292	0.285	0.276	0.275	0.265	0.285	4.77
30)		1,2,4-Trichlor...	0.323	0.305	0.294	0.285	0.271	0.272	0.262	0.287	7.47
31)		Naphthalene		1.067	0.969	0.878	0.821	0.776	0.713	0.871	14.96
32)		Benzoic acid		0.177	0.196	0.207	0.174	0.192	0.197	0.191	6.67
33)		4-Chloroaniline	0.473	0.474	0.435	0.422	0.389	0.379	0.374	0.421	10.02
34)	C	Hexachlorobuta...	0.169	0.167	0.162	0.156	0.149	0.147	0.142	0.156	6.60
35)		Caprolactam	0.111	0.108	0.106	0.102	0.100	0.102	0.102	0.105	4.06
36)	C	4-Chloro-3-met...	0.336	0.332	0.317	0.314	0.298	0.297	0.289	0.312	5.79
37)		2-Methylnaphth...	0.730	0.673	0.624	0.594	0.547	0.535	0.501	0.601	13.52

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38)		1-Methylnaphth...	0.682	0.656	0.598	0.566	0.533	0.520	0.488	0.577	12.42
39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.631	0.593	0.547	0.521	0.497	0.488	0.454	0.533	11.68
41)	P	Hexachlorocycl...	0.275	0.284	0.293	0.291	0.284	0.278	0.262	0.281	3.72
42)	S	2,4,6-Tribromo...	0.170	0.169	0.170	0.160	0.151	0.150	0.143	0.159	7.13
43)	C	2,4,6-Trichlor...	0.415	0.404	0.401	0.394	0.384	0.368	0.360	0.389	5.08
44)		2,4,5-Trichlor...	0.395	0.428	0.417	0.401	0.381	0.382	0.359	0.395	5.91
45)	S	2-Fluorobiphenyl		1.476	1.286	1.134	1.049	1.003		1.190	16.21
46)		1,1'-Biphenyl		1.921	1.758	1.610	1.490	1.408		1.637	12.60
47)		2-Chloronaphth...	1.498	1.434	1.329	1.252	1.181	1.143	1.069	1.272	12.29
48)		2-Nitroaniline		0.378	0.417	0.426	0.421	0.417	0.415	0.412	4.23
49)		Acenaphthylene		2.127	1.963	1.808	1.694	1.612	1.465	1.778	13.52
50)		Dimethylphthalate	1.639	1.576	1.451	1.376	1.299	1.240	1.164	1.392	12.52
51)		2,6-Dinitrotol...	0.215	0.303	0.312	0.315	0.310	0.307	0.303	0.295	12.08
52)	C	Acenaphthene	1.420	1.299	1.225	1.143	1.082	1.058	0.996	1.175	12.69
53)		3-Nitroaniline	0.297	0.377	0.398	0.390	0.381	0.383	0.370	0.371	9.12
54)	P	2,4-Dinitrophenol		0.053	0.071	0.082	0.087	0.091	0.095	0.080	19.70
55)		Dibenzofuran		1.950	1.784	1.641	1.536	1.457	1.341	1.618	13.77
56)	P	4-Nitrophenol	0.216	0.284	0.298	0.300	0.292	0.287	0.279	0.279	10.34
57)		2,4-Dinitrotol...		0.343	0.384	0.394	0.393	0.392	0.380	0.381	5.08
58)		Fluorene		1.388	1.239	1.154	1.072	1.037	0.956	1.141	13.62
59)		2,3,4,6-Tetrac...	0.296	0.319	0.316	0.306	0.290	0.277	0.259	0.295	7.29
60)		Diethylphthalate	1.611	1.547	1.450	1.384	1.312	1.263	1.170	1.391	11.27
61)		4-Chlorophenyl...		0.661	0.604	0.574	0.537	0.517	0.481	0.562	11.49
62)		4-Nitroaniline	0.277	0.330	0.346	0.347	0.350	0.349	0.342	0.335	7.87
63)		Azobenzene	1.772	1.668	1.548	1.470	1.364	1.328	1.217	1.481	13.24
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.061	0.077	0.084	0.088	0.091	0.094	0.083	14.58
66)	c	n-Nitrosodiphe...	0.821	0.782	0.723	0.688	0.646	0.644	0.598	0.700	11.44
67)		4-Bromophenyl-...	0.239	0.226	0.220	0.209	0.199	0.201	0.189	0.212	8.17
68)		Hexachlorobenzene	0.246	0.230	0.224	0.212	0.203	0.206	0.194	0.216	8.20
69)		Atrazine	0.248	0.229	0.204	0.180	0.148	0.109		0.186	27.76
70)	C	Pentachlorophenol	0.129	0.152	0.157	0.149	0.145	0.138	0.127	0.142	8.14
71)		Phenanthrene		1.168	1.067	0.970	0.895	0.869	0.803	0.962	14.10
72)		Anthracene		1.181	1.080	0.981	0.905	0.872	0.800	0.970	14.56
73)		Carbazole		1.237	1.100	1.019	0.937	0.916	0.844	1.009	14.11
74)		Di-n-butylphth...		1.425	1.275	1.167	1.033	1.005		1.181	14.75
75)	C	Fluoranthene		1.152	1.021	0.964	0.874	0.850	0.788	0.941	14.04
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.927	0.895	0.704	0.554	0.522	0.398		0.667	31.96
78)		Pyrene	1.609	1.586	1.577	1.559	1.525	1.553	1.499	1.558	2.38
79)	S	Terphenyl-d14	1.116	1.066	0.992	0.940	0.925	0.920	0.877	0.977	8.84
80)		Butylbenzylpht...	0.640	0.713	0.774	0.790	0.773	0.797	0.781	0.753	7.53
81)		Benzo(a)anthra...	1.265	1.261	1.209	1.180	1.110	1.105	1.073	1.172	6.61
82)		3,3'-Dichlorob...	0.464	0.482	0.479	0.460	0.430	0.404	0.377	0.442	9.05

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83)		Chrysene	1.251	1.235	1.209	1.165	1.113	1.089	1.082	1.163	6.05
84)		Bis(2-ethylhex...	0.878	0.914	0.944	0.951	0.894	0.901	0.883	0.909	3.16
85)	c	Di-n-octyl pht...	1.416	1.485	1.496	1.472	1.389	1.388	1.359	1.429	3.83
86)		Indeno(1,2,3-c...	0.920	0.816	0.874	0.914	0.964	1.004	1.045	0.934	8.32
87)	I	Perylene-d12	----------ISTD----------								
88)		Benzo(b)fluora...	1.171	1.236	1.138	1.165	1.056	1.114	1.054	1.133	5.77
89)		Benzo(k)fluora...	1.241	1.192	1.181	1.095	1.053	0.932	0.976	1.096	10.58
90)	C	Benzo(a)pyrene	1.091	1.089	1.067	1.052	1.005	0.992	0.981	1.040	4.47
91)		Dibenzo(a,h)an...	0.850	0.805	0.864	0.890	0.914	0.890	0.894	0.872	4.19
92)		Benzo(g,h,i)pe...	0.846	0.770	0.868	0.895	0.919	0.905	0.934	0.877	6.37

(#) = Out of Range