

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF030717.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Mar 07 15:55:22 2017
 Response Via : Initial Calibration

Calibration Files

2.5 =BF093411.D 10 =BF093412.D 25 =BF093413.D 40 =BF093414.D 50 =BF093415.D 60 =BF093416.D 80 =BF093417.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.636	0.700	0.672	0.679	0.624	0.672	0.650	0.662	3.99
3)	Pyridine	1.540	1.589	1.566	1.837	1.846	1.757	1.679	1.688	7.60
4)	n-Nitrosodimet...	0.839	0.697	0.831	0.761	0.838	0.836	0.839	0.806	6.90
5) S	2-Fluorophenol	1.268	1.306	1.324	1.199	1.132	1.109	1.075	1.202	8.30
6)	Aniline	2.468	2.418	2.183	1.944	1.939	1.897	1.709	2.080	13.67
7) S	Phenol-d6	1.805	1.763	1.563	1.449	1.400	1.332	1.295	1.515	13.41
8)	2-Chlorophenol	1.486	1.497	1.409	1.316	1.270	1.253	1.195	1.346	8.82
9)	Benzaldehyde	1.210	1.313	1.095	0.915	0.819	0.748	1.017	22.13	
10) C	Phenol	2.167	2.206	1.929	1.687	1.800	1.560	1.649	1.857	13.66
11)	bis(2-Chloroet...	1.611	1.661	1.537	1.436	1.406	1.439	1.416	1.501	6.84
12)	1,3-Dichlorobe...	1.767	1.727	1.601	1.471	1.418	1.438	1.366	1.541	10.28
13) C	1,4-Dichlorobe...	1.793	1.760	1.706	1.512	1.464	1.468	1.342	1.578	11.01
14)	1,2-Dichlorobe...	1.570	1.622	1.497	1.360	1.292	1.326	1.114	1.397	12.67
15)	Benzyl Alcohol	1.153	1.326	1.114	1.005	0.997	0.887	1.080	14.17	
16)	2,2'-oxybis(1-...	2.748	2.815	2.742	2.457	2.414	2.253	2.024	2.493	11.76
17)	2-Methylphenol	1.274	1.215	1.194	1.083	1.092	1.083	1.030	1.139	7.80
18)	Hexachloroethane	0.571	0.584	0.553	0.516	0.536	0.502	0.464	0.532	7.84
19) P	n-Nitroso-di-n...	1.174	1.244	1.101	0.929	0.916	0.887	1.042	14.54	
20)	3+4-Methylphenols	1.686	1.683	1.606	1.461	1.370	1.324	1.208	1.477	12.68
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.541	0.555	0.510	0.466	0.448	0.424	0.424	0.481	11.24
23) S	Nitrobenzene-d5	0.374	0.394	0.383	0.354	0.363	0.340	0.316	0.360	7.41
24)	Nitrobenzene	0.419	0.440	0.422	0.419	0.388	0.351	0.397	0.405	7.26
25)	Isophorone	0.770	0.772	0.733	0.703	0.712	0.692	0.705	0.727	4.50
26) C	2-Nitrophenol	0.177	0.186	0.184	0.194	0.180	0.189	0.184	0.185	3.20
27)	2,4-Dimethylph...	0.303	0.321	0.316	0.326	0.291	0.283	0.266	0.301	7.30
28)	bis(2-Chloroet...	0.498	0.498	0.458	0.438	0.429	0.448	0.444	0.459	6.10
29) C	2,4-Dichloroph...	0.308	0.308	0.296	0.282	0.272	0.258	0.256	0.283	7.77
30)	1,2,4-Trichlor...	0.330	0.321	0.313	0.303	0.289	0.283	0.268	0.301	7.31
31)	Naphthalene	1.215	1.159	0.989	0.958	0.884	0.932	0.879	1.002	13.24
32)	Benzoic acid	0.108	0.140	0.148	0.175	0.181	0.185	0.156	19.00	
33)	4-Chloroaniline	0.442	0.440	0.418	0.406	0.397	0.388	0.357	0.407	7.32
34) C	Hexachlorobuta...	0.176	0.175	0.157	0.150	0.148	0.141	0.137	0.155	9.88
35)	Caprolactam	0.102	0.097	0.095	0.101	0.101	0.086	0.095	0.097	5.60
36) C	4-Chloro-3-met...	0.312	0.337	0.317	0.303	0.281	0.284	0.279	0.302	7.28
37)	2-Methylnaphth...	0.769	0.696	0.702	0.634	0.620	0.549	0.494	0.638	14.82

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.624	0.593	0.539	0.597	0.483	0.501	0.486	0.546	10.74
40) P	Hexachlorocycl...		0.019	0.070	0.108	0.117	0.129	0.142	0.098	46.84
41) S	2,4,6-Tribromo...	0.148	0.138	0.137	0.141	0.113	0.112	0.124	0.130	10.95
42) C	2,4,6-Trichlor...	0.367	0.361	0.352	0.370	0.322	0.304	0.312	0.341	8.21
43)	2,4,5-Trichlor...	0.360	0.391	0.390	0.418	0.342	0.334	0.328	0.366	9.29
44) S	2-Fluorobiphenyl		1.292	1.139	1.177	0.934	0.834		1.075	17.38
45)	1,1'-Biphenyl	1.778	1.667	1.426	1.531	1.320	1.318	1.158	1.457	14.85
46)	2-Chloronaphth...		1.299	1.142	1.287	1.072	0.990	0.902	1.115	14.32
47)	2-Nitroaniline	0.379	0.421	0.438	0.436	0.348	0.340	0.399	0.394	10.19
48)	Acenaphthylene	2.309	2.135	1.912	2.012	1.631	1.492	1.384	1.839	18.76
49)	Dimethylphthalate	1.594	1.401	1.340	1.364	1.214	1.198	1.170	1.326	11.20
50)	2,6-Dinitrotol...	0.313	0.299	0.314	0.286	0.305	0.300	0.219	0.291	11.34
51) C	Acenaphthene	1.420	1.232	1.069	1.199	0.976	0.906	0.812	1.088	19.32
52)	3-Nitroaniline	0.367	0.361	0.381	0.339	0.357	0.354	0.287	0.350	8.65
53) P	2,4-Dinitrophenol		0.098	0.129	0.163	0.132	0.133	0.140	0.132	15.72
54)	Dibenzofuran		1.656	1.438	1.552	1.249	1.206	1.066	1.361	16.53
55) P	4-Nitrophenol		0.145	0.176	0.200	0.170	0.164	0.163	0.170	10.65
56)	2,4-Dinitrotol...	0.416	0.378	0.396	0.356	0.297	0.343	0.317	0.357	11.93
57)	Fluorene		1.441	1.200	1.346	1.036	0.989	0.910	1.154	18.26
58)	2,3,4,6-Tetrac...	0.287	0.258	0.268	0.307	0.241	0.230	0.217	0.258	12.35
59)	Diethylphthalate	1.647	1.425	1.293	1.367	0.999	0.991	1.148	1.267	18.84
60)	4-Chlorophenyl...		0.619	0.584	0.607	0.465	0.433	0.394	0.517	18.88
61)	4-Nitroaniline	0.397	0.380	0.361	0.353	0.351	0.312	0.347	0.357	7.51
62)	Azobenzene	1.799	1.583	1.532	1.510	1.245	1.221	1.189	1.440	15.83
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.105	0.133	0.132	0.138	0.141	0.129	0.130	9.90
65) c	n-Nitrosodiphe...	0.771	0.755	0.666	0.698	0.623	0.590	0.571	0.668	11.68
66)	4-Bromophenyl-...	0.251	0.224	0.206	0.208	0.209	0.209	0.175	0.211	10.88
67)	Hexachlorobenzene	0.233	0.214	0.205	0.210	0.199	0.193	0.159	0.202	11.33
68)	Atrazine		0.224	0.222	0.198	0.176	0.183	0.169	0.195	11.98
69) C	Pentachlorophenol		0.047	0.069	0.072	0.077	0.079	0.075	0.070	16.94
70)	Phenanthrene	1.470	1.338	1.156	1.135	1.041	1.027	0.823	1.142	18.62
71)	Anthracene	1.440	1.304	1.268	1.064	1.007	1.014	0.987	1.155	15.59
72)	Carbazole		1.299	1.181	1.029	1.032	1.042	0.927	1.085	12.20
73)	Di-n-butylphth...	1.518	1.431	1.227	1.203	1.202	1.135	1.070	1.255	12.81
74) C	Fluoranthene		1.327	1.146	1.084	1.092	1.065	0.901	1.103	12.47
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine		0.827	0.728	0.646	0.584	0.503		0.658	19.10
77)	Pyrene	1.774	1.559	1.368	1.405	1.456	1.380	1.240	1.455	11.72
78) S	Terphenyl-d14		0.911	0.851	0.841	0.691	0.636	0.686	0.769	14.54
79)	Butylbenzylphth...	0.671	0.600	0.661	0.647	0.595	0.558	0.554	0.612	7.82
80)	Benzo(a)anthra...	1.387	1.285	1.182	1.179	1.161	1.070	1.005	1.181	10.77
81)	3,3'-Dichlorob...	0.450	0.447	0.458	0.428	0.393	0.374	0.346	0.414	10.46
82)	Chrysene	1.260	1.121	1.135	1.231	1.058	0.935	0.910	1.093	12.35

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83)	Bis(2-ethylhex...	0.946	0.830	0.905	0.909	0.877	0.786	0.721	0.853	9.27
84) c	Di-n-octyl pht...	1.558	1.504	1.486	1.481	1.383	1.308	1.238	1.422	8.18
85)	Indeno(1,2,3-c...	1.100	1.003	0.895	0.916	0.857	0.829	0.803	0.915	11.44
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.336	1.262	1.177	1.341	1.165	1.137	1.107	1.218	7.82
88)	Benzo(k)fluora...	1.376	1.292	1.263	0.980	1.072	1.143	1.095	1.175	11.93
89) C	Benzo(a)pyrene	1.251	1.194	1.155	1.114	1.065	1.023	0.991	1.113	8.40
90)	Dibenzo(a,h)an...	1.067	1.017	0.869	0.873	0.860	0.883	0.879	0.921	9.14
91)	Benzo(g,h,i)pe...	1.060	1.006	0.866	0.899	0.920	0.926	0.940	0.945	7.02

(#) = Out of Range