

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF081916.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Aug 19 14:02:57 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF089785.D 10 =BF089786.D 25 =BF089787.D 40 =BF089788.D 50 =BF089789.D 60 =BF089790.D 80 =BF089791.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.618	0.592	0.572	0.546	0.571	0.565	0.577	4.29	
3)	Pyridine	1.404	1.398	1.606	1.607	1.508	1.521	1.552	1.514	5.67
4)	n-Nitrosodimet...	0.511	0.521	0.582	0.587	0.566	0.587	0.592	0.564	6.01
5) S	2-Fluorophenol	1.219	1.226	1.274	1.109	1.110	1.185	1.041	1.166	7.03
6)	Aniline	2.005	2.045	1.976	1.939	1.876	1.827	1.774	1.920	5.12
7) S	Phenol-d6	1.626	1.450	1.477	1.500	1.344	1.341	1.284	1.432	8.18
8)	2-Chlorophenol	1.526	1.404	1.493	1.434	1.250	1.290	1.366	1.395	7.24
9)	Benzaldehyde	1.014	0.958	1.026	1.000	0.883	0.853	0.793	0.933	9.67
10) C	Phenol	1.924	1.633	1.795	1.775	1.641	1.446	1.531	1.678	9.81
11)	bis(2-Chloroet...	1.253	1.481	1.212	1.402	1.298	1.177	1.284	1.301	8.21
12)	1,3-Dichlorobe...	1.506	1.517	1.590	1.575	1.398	1.348	1.273	1.458	8.25
13) C	1,4-Dichlorobe...	1.579	1.506	1.569	1.606	1.509	1.458	1.264	1.499	7.70
14)	1,2-Dichlorobe...	1.521	1.557	1.537	1.384	1.189	1.298	1.306	1.399	10.19
15)	Benzyl Alcohol	1.046	0.962	1.122	0.975	0.834	0.912	0.796	0.949	12.00
16)	2,2'-oxybis(1-...	1.709	1.716	1.785	1.763	1.612	1.578	1.494	1.665	6.40
17)	2-Methylphenol	1.067	1.124	1.125	1.085	1.124	1.097	1.024	1.092	3.45
18)	Hexachloroethane	0.571	0.549	0.557	0.528	0.493	0.513	0.530	0.535	5.03
19) P	n-Nitroso-di-n...	1.024	0.932	0.897	0.983	0.793	0.925	0.855	0.916	8.46
20)	3+4-Methylphenols	1.497	1.449	1.510	1.230	1.276	1.340	1.074	1.339	11.90
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.520	0.571	0.464	0.474	0.403	0.379	0.405	0.459	15.12
23) S	Nitrobenzene-d5	0.377	0.367	0.357	0.307	0.281	0.302	0.263	0.322	13.96
24)	Nitrobenzene	0.389	0.427	0.352	0.374	0.348	0.288	0.350	0.361	11.86
25)	Isophorone	0.702	0.750	0.659	0.652	0.583	0.595	0.604	0.649	9.39
26) C	2-Nitrophenol	0.158	0.201	0.201	0.169	0.158	0.180	0.195	0.180	10.64
27)	2,4-Dimethylph...	0.356	0.348	0.358	0.298	0.313	0.325	0.275	0.325	9.71
28)	bis(2-Chloroet...	0.467	0.448	0.422	0.427	0.345	0.334	0.370	0.402	12.94
29) C	2,4-Dichloroph...	0.278	0.294	0.306	0.259	0.256	0.276	0.240	0.273	8.40
30)	1,2,4-Trichlor...	0.356	0.336	0.322	0.307	0.281	0.265	0.243	0.301	13.46
31)	Naphthalene		1.178	0.959	0.931	0.842	0.765		0.935	16.67
32)	Benzoic acid		0.224	0.272	0.251	0.258	0.265	0.249	0.253	6.61
33)	4-Chloroaniline	0.447	0.434	0.476	0.412	0.340	0.343	0.384	0.405	12.84
34) C	Hexachlorobuta...	0.177	0.179	0.162	0.157	0.148	0.149	0.132	0.158	10.55
35)	Caprolactam	0.079	0.091	0.093	0.081	0.073	0.076	0.087	0.083	9.23
36) C	4-Chloro-3-met...	0.340	0.308	0.317	0.268	0.296	0.245	0.291	0.295	10.61
37)	2-Methylnaphth...	0.727	0.681	0.705	0.630	0.514	0.489	0.488	0.605	17.43

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.762	0.764	0.654	0.672	0.626	0.585	0.470	0.648	15.85
40) P	Hexachlorocycl...		0.184	0.243	0.252	0.234	0.222	0.214	0.225	10.79
41) S	2,4,6-Tribromo...	0.204	0.208	0.218	0.189	0.179	0.185	0.146	0.190	12.54
42) C	2,4,6-Trichlor...	0.382	0.396	0.488	0.434	0.378	0.394	0.379	0.407	9.93
43)	2,4,5-Trichlor...	0.412	0.400	0.433	0.409	0.415	0.410	0.357	0.405	5.81
44) S	2-Fluorobiphenyl		1.336	1.340	1.068	0.936	1.009		1.138	16.57
45)	1,1'-Biphenyl	1.889	1.896	1.598	1.661	1.418	1.200	1.172	1.548	19.23
46)	2-Chloronaphth...	1.331	1.375	1.322	1.232	1.220	1.158	0.927	1.223	12.34
47)	2-Nitroaniline	0.285	0.386	0.352	0.397	0.388	0.327	0.307	0.349	12.57
48)	Acenaphthylene	2.066	2.068	2.033	1.842	1.820	1.681	1.361	1.838	13.96
49)	Dimethylphthalate	1.727	1.474	1.452	1.499	1.313	1.156	1.237	1.408	13.53
50)	2,6-Dinitrotol...	0.330	0.318	0.370	0.306	0.335	0.329	0.288	0.325	7.90
51) C	Acenaphthene	1.266	1.385	1.284	1.290	1.242	1.107	0.944	1.217	11.99
52)	3-Nitroaniline	0.359	0.349	0.355	0.406	0.354	0.316	0.383	0.360	7.82
53) P	2,4-Dinitrophenol	0.038	0.077	0.145	0.136	0.164	0.170		0.122	43.22
54)	Dibenzofuran	1.740	1.765	1.641	1.561	1.511	1.370	1.109	1.528	15.01
55) P	4-Nitrophenol		0.277	0.339	0.265	0.323	0.249	0.311	0.294	12.01
56)	2,4-Dinitrotol...		0.449	0.459	0.477	0.366	0.449	0.332	0.422	13.87
57)	Fluorene	1.472	1.408	1.380	1.162	1.100	1.139	0.864	1.218	17.61
58)	2,3,4,6-Tetrac...	0.305	0.321	0.303	0.308	0.304	0.266	0.258	0.295	7.99
59)	Diethylphthalate	1.533	1.591	1.532	1.533	1.318	1.253	1.254	1.431	10.38
60)	4-Chlorophenyl...	0.666	0.683	0.631	0.538	0.473	0.473	0.424	0.556	18.75
61)	4-Nitroaniline	0.294	0.338	0.339	0.393	0.381	0.309	0.308	0.338	11.16
62)	Azobenzene	1.442	1.365	1.546	1.444	1.220	1.187	1.211	1.345	10.45
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.093	0.127	0.106	0.129	0.106	0.129	0.115	13.40
65) c	n-Nitrosodiphe...	0.699	0.665	0.668	0.647	0.605	0.523	0.596	0.629	9.38
66)	4-Bromophenyl-...	0.235	0.236	0.225	0.226	0.197	0.176	0.173	0.210	13.10
67)	Hexachlorobenzene	0.270	0.249	0.274	0.251	0.210	0.201	0.219	0.239	12.22
68)	Atrazine	0.182	0.221	0.228	0.198	0.164	0.197	0.159	0.193	13.72
69) C	Pentachlorophenol	0.100	0.138	0.147	0.146	0.149	0.141	0.128	0.136	12.66
70)	Phenanthrene	1.234	1.209	1.101	1.070	0.915	0.760	0.782	1.010	19.17
71)	Anthracene	1.245	1.124	1.207	0.961	0.901	0.950	0.801	1.027	16.23
72)	Carbazole	1.013	1.059	1.022	1.012	0.825	0.731	0.786	0.921	14.66
73)	Di-n-butylphth...	1.259	1.347	1.267	1.144	1.113	1.031	0.905	1.152	13.24
74) C	Fluoranthene	1.126	1.059	1.151	1.002	0.801	0.791	0.796	0.961	16.79
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.521	0.676	0.712	0.711	0.674	0.658	0.580	0.647	11.01
77)	Pyrene	1.926	1.884	1.768	1.685	1.406	1.394	1.336	1.629	15.18
78) S	Terphenyl-d14		1.161	0.897	0.890	0.721	0.751		0.884	19.70
79)	Butylbenzylphth...	0.670	0.778	0.747	0.738	0.817	0.741	0.658	0.736	7.64
80)	Benzo(a)anthra...	1.236	1.240	1.189	1.139	1.128	1.046	1.039	1.145	7.19
81)	3,3'-Dichlorob...	0.331	0.396	0.409	0.382	0.412	0.357	0.341	0.376	8.69
82)	Chrysene		1.206	1.060	0.963	0.966	0.856	0.841	0.982	13.85

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83)	Bis(2-ethylhex...	1.044	1.101	1.088	1.033	0.985	0.948	0.895	1.013	7.40
84) c	Di-n-octyl pht...	1.169	1.325	1.464	1.435	1.422	1.358	1.252	1.346	7.94
85)	Indeno(1,2,3-c...	1.224	1.351	1.224	1.211	1.201	1.300	1.259	1.253	4.36
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.112	1.285	1.102	1.168	1.083	0.999	0.954	1.100	9.88
88)	Benzo(k)fluora...	1.140	0.891	1.166	0.978	0.936	0.980	0.897	0.998	11.19
89) C	Benzo(a)pyrene	1.078	1.094	1.102	1.094	1.019	0.973	0.929	1.041	6.59
90)	Dibenzo(a,h)an...	1.133	1.184	1.206	1.168	1.077	1.099	1.045	1.130	5.23
91)	Benzo(g,h,i)pe...	1.207	1.234	1.238	1.219	1.130	1.165	1.138	1.190	3.80

(#) = Out of Range