

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF080316.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Aug 04 08:40:24 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF089566.D 10 =BF089567.D 25 =BF089568.D 40 =BF089569.D 50 =BF089570.D 60 =BF089571.D 80 =BF089572.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.948	0.681	0.674	0.688	0.666	0.644	0.717	15.95	
3)	Pyridine	0.842	1.223	1.350	1.419	1.392	1.443	1.278	17.79	
4)	n-Nitrosodimet...	0.135	0.431	0.524	0.571	0.605	0.616	0.480	37.90	
5) S	2-Fluorophenol	0.903	1.128	1.200	1.290	1.316	1.292	1.188	13.17	
6)	Aniline	1.856	2.076	2.176	2.242	2.258	2.240	2.141	7.24	
7) S	Phenol-d6	1.359	1.497	1.648	1.630	1.696	1.736	1.698	1.609	8.36
8)	2-Chlorophenol	1.097	1.449	1.477	1.493	1.559	1.496	1.445	10.93	
9)	Benzaldehyde	0.493	0.611	0.667	0.597	0.549	0.523	0.573	11.13	
10) C	Phenol	1.152	1.819	1.709	1.759	1.805	1.856	1.565	1.666	14.76
11)	bis(2-Chloroet...	1.645	1.275	1.499	1.445	1.486	1.480	1.423	1.465	7.49
12)	1,3-Dichlorobe...	1.511	1.518	1.583	1.567	1.621	1.650	1.641	1.585	3.55
13) C	1,4-Dichlorobe...	1.658	1.488	1.520	1.527	1.588	1.670	1.627	1.583	4.55
14)	1,2-Dichlorobe...	1.585	1.761	1.605	1.620	1.642	1.683	1.600	1.642	3.74
15)	Benzyl Alcohol	0.755	1.001	1.118	1.121	1.180	1.130	1.051	14.89	
16)	2,2'-oxybis(1-...	1.864	1.822	1.782	1.784	1.816	1.818	1.759	1.806	1.90
17)	2-Methylphenol	0.944	1.037	1.053	1.058	1.098	1.116	1.094	1.057	5.41
18)	Hexachloroethane	0.686	0.676	0.652	0.648	0.660	0.682	0.649	0.665	2.43
19) P	n-Nitroso-di-n...	0.939	1.123	1.153	1.160	1.211	1.188	1.149	1.132	7.91
20)	3+4-Methylphenols	1.304	1.300	1.386	1.392	1.455	1.466	1.384	5.13	
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.380	0.430	0.444	0.529	0.539	0.526	0.475	13.83	
23) S	Nitrobenzene-d5	0.297	0.364	0.371	0.361	0.380	0.381	0.377	0.362	8.23
24)	Nitrobenzene	0.340	0.367	0.364	0.375	0.375	0.380	0.367	3.94	
25)	Isophorone	0.671	0.721	0.700	0.653	0.684	0.696	0.682	0.686	3.18
26) C	2-Nitrophenol	0.144	0.148	0.154	0.162	0.166	0.166	0.157	6.05	
27)	2,4-Dimethylph...	0.213	0.278	0.292	0.286	0.297	0.302	0.297	0.281	11.01
28)	bis(2-Chloroet...	0.316	0.411	0.431	0.418	0.433	0.439	0.430	0.411	10.41
29) C	2,4-Dichloroph...	0.247	0.260	0.258	0.270	0.275	0.275	0.264	4.25	
30)	1,2,4-Trichlor...	0.281	0.297	0.306	0.300	0.314	0.312	0.303	0.302	3.68
31)	Naphthalene	1.053	1.093	1.076	1.034	1.079	1.072	1.037	1.063	2.11
32)	Benzoic acid	0.171	0.167	0.185	0.199	0.196	0.201	0.187	7.74	
33)	4-Chloroaniline	0.395	0.421	0.401	0.431	0.415	0.402	0.411	3.34	
34) C	Hexachlorobuta...	0.184	0.179	0.175	0.167	0.174	0.175	0.172	0.175	3.14
35)	Caprolactam	0.067	0.076	0.079	0.086	0.080	0.078	0.078	7.77	
36) C	4-Chloro-3-met...	0.227	0.315	0.326	0.319	0.333	0.329	0.317	0.310	11.92
37)	2-Methylnaphth...	0.657	0.659	0.653	0.631	0.653	0.648	0.649	0.650	1.41

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.662	0.738	0.779	0.752	0.787	0.789	0.768	0.754	5.92
40) P	Hexachlorocycl...		0.110	0.189	0.263	0.241	0.254	0.276	0.222	28.27
41) S	2,4,6-Tribromo...	0.132	0.153	0.166	0.164	0.172	0.162	0.163	0.159	8.25
42) C	2,4,6-Trichlor...	0.288	0.345	0.387	0.374	0.396	0.394	0.395	0.368	10.78
43)	2,4,5-Trichlor...	0.263	0.411	0.404	0.397	0.424	0.408	0.425	0.390	14.64
44) S	2-Fluorobiphenyl	1.525	1.570	1.579	1.507	1.550	1.500	1.550	1.540	1.97
45)	1,1'-Biphenyl	1.706	1.844	1.871	1.790	1.855	1.816	1.760	1.806	3.24
46)	2-Chloronaphth...	1.228	1.379	1.424	1.361	1.394	1.333	1.354	1.353	4.63
47)	2-Nitroaniline		0.397	0.418	0.429	0.449	0.438	0.444	0.429	4.52
48)	Acenaphthylene	2.146	2.278	2.328	2.185	2.270	2.197	2.214	2.231	2.84
49)	Dimethylphthalate	1.566	1.536	1.558	1.480	1.594	1.479	1.512	1.532	2.88
50)	2,6-Dinitrotol...	0.233	0.299	0.320	0.316	0.335	0.324	0.318	0.307	11.07
51) C	Acenaphthene	1.290	1.329	1.337	1.256	1.308	1.256	1.279	1.293	2.51
52)	3-Nitroaniline		0.329	0.370	0.361	0.384	0.366	0.359	0.361	5.03
53) P	2,4-Dinitrophenol			0.065	0.106	0.123	0.122	0.130	0.109	24.10
54)	Dibenzofuran	1.725	1.766	1.819	1.739	1.813	1.741	1.719	1.760	2.32
55) P	4-Nitrophenol		0.162	0.189	0.176	0.222	0.208	0.217	0.196	12.26
56)	2,4-Dinitrotol...		0.371	0.424	0.404	0.446	0.413	0.414	0.412	5.99
57)	Fluorene	1.441	1.532	1.591	1.460	1.560	1.448	1.449	1.497	4.16
58)	2,3,4,6-Tetrac...	0.212	0.281	0.314	0.279	0.292	0.277	0.291	0.278	11.49
59)	Diethylphthalate	1.619	1.580	1.615	1.472	1.599	1.535	1.449	1.553	4.47
60)	4-Chlorophenyl...	0.592	0.672	0.708	0.674	0.711	0.679	0.674	0.673	5.84
61)	4-Nitroaniline		0.279	0.326	0.316	0.354	0.320	0.305	0.317	7.88
62)	Azobenzene	1.596	1.545	1.658	1.547	1.654	1.575	1.569	1.592	2.95
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.076	0.109	0.110	0.123	0.122	0.127	0.111	16.72
65) c	n-Nitrosodiphe...	0.616	0.675	0.694	0.665	0.703	0.709	0.708	0.682	4.88
66)	4-Bromophenyl-...	0.157	0.185	0.200	0.196	0.206	0.207	0.216	0.195	9.87
67)	Hexachlorobenzene	0.213	0.211	0.212	0.198	0.213	0.213	0.217	0.211	2.83
68)	Atrazine	0.159	0.191	0.189	0.176	0.190	0.174	0.155	0.176	8.47
69) C	Pentachlorophenol		0.047	0.066	0.087	0.081	0.080	0.081	0.074	20.07
70)	Phenanthrene	1.041	1.071	1.082	1.033	1.104	1.090	1.058	1.068	2.44
71)	Anthracene	1.237	1.175	1.194	1.100	1.175	1.148	1.148	1.168	3.66
72)	Carbazole	0.854	0.952	0.999	0.923	1.014	0.939	0.933	0.945	5.58
73)	Di-n-butylphth...	1.133	1.231	1.277	1.143	1.278	1.207	1.190	1.208	4.82
74) C	Fluoranthene	1.114	1.121	1.141	1.025	1.137	1.046	0.985	1.081	5.72
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine		0.608	0.600	0.580	0.549	0.510	0.426	0.545	12.57
77)	Pyrene	1.598	1.807	1.835	1.765	1.815	1.853	1.773	1.778	4.81
78) S	Terphenyl-d14	0.918	1.003	1.033	1.034	0.998	1.043	0.948	0.997	4.74
79)	Butylbenzylphth...	0.548	0.623	0.698	0.675	0.729	0.708	0.690	0.667	9.32
80)	Benzo(a)anthra...	1.075	1.186	1.193	1.151	1.195	1.190	1.169	1.165	3.67
81)	3,3'-Dichlorob...	0.265	0.350	0.393	0.377	0.385	0.394	0.392	0.365	12.77
82)	Chrysene	1.246	1.191	1.219	1.137	1.205	1.204	1.211	1.202	2.77

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83)	Bis(2-ethylhex...	0.728	0.826	0.928	0.920	0.976	0.967	0.950	0.899	10.04
84) c	Di-n-octyl pht...		1.130	1.302	1.340	1.377	1.488	1.543	1.363	10.72
85)	Indeno(1,2,3-c...	0.694	0.793	0.957	1.084	0.966	1.266	1.360	1.017	23.57
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.250	1.193	1.315	1.187	1.279	1.196	1.132	1.222	5.12
88)	Benzo(k)fluora...	1.172	1.306	1.222	1.111	1.248	1.199	1.143	1.200	5.48
89) C	Benzo(a)pyrene	1.108	1.134	1.176	1.090	1.154	1.160	1.109	1.133	2.79
90)	Dibenzo(a,h)an...	0.757	0.981	1.103	1.124	1.145	1.217	1.180	1.072	14.69
91)	Benzo(g,h,i)pe...	0.871	1.008	1.167	1.171	1.199	1.235	1.215	1.124	11.92

(#) = Out of Range