

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF072716.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Jul 28 16:02:32 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF089319.D 10 =BF089320.D 25 =BF089321.D 40 =BF089326.D 50 =BF089323.D 60 =BF089327.D 80 =BF089325.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.815	0.924	0.583	0.549	0.556	0.553	0.545	0.647	24.14
3)	Pyridine	0.934	1.152	1.318	1.344	1.323	1.282	1.226		12.95
4)	n-Nitrosodimet...	0.217	0.366	0.481	0.513	0.533	0.541	0.442		28.80
5) S	2-Fluorophenol	1.107	1.235	1.299	1.304	1.278	1.292	1.253		6.04
6)	Aniline	1.247	1.847	1.903	1.914	1.926	1.856	1.819	1.787	13.52
7) S	Phenol-d6	1.541	1.791	1.704	1.736	1.651	1.619	1.545	1.655	5.73
8)	2-Chlorophenol	1.144	1.490	1.455	1.544	1.505	1.422	1.357	1.417	9.51
9)	Benzaldehyde	0.755	0.780	0.830	0.870	0.801	0.815	0.808		4.93
10) C	Phenol	1.475	1.965	1.916	2.001	1.904	1.811	1.715	1.827	10.00
11)	bis(2-Chloroet...	1.683	1.727	1.556	1.562	1.521	1.454	1.361	1.552	8.12
12)	1,3-Dichlorobe...	1.384	1.530	1.537	1.566	1.505	1.422	1.431	1.482	4.66
13) C	1,4-Dichlorobe...	1.630	1.675	1.698	1.734	1.650	1.547	1.515	1.636	4.85
14)	1,2-Dichlorobe...	1.502	1.716	1.533	1.488	1.503	1.495	1.488	1.532	5.38
15)	Benzyl Alcohol	0.878	1.039	1.066	1.121	1.048	1.012	1.027		7.93
16)	2,2'-oxybis(1-...	1.594	1.756	1.717	1.787	1.755	1.667	1.574	1.693	4.94
17)	2-Methylphenol	1.127	1.103	1.092	1.117	1.096	1.085	1.045	1.095	2.41
18)	Hexachloroethane	0.633	0.702	0.632	0.643	0.626	0.594	0.559	0.627	7.02
19) P	n-Nitroso-di-n...	0.765	1.046	1.089	1.068	1.030	1.000	0.990	0.998	10.87
20)	3+4-Methylphenols	1.396	1.361	1.406	1.491	1.472	1.397	1.322	1.406	4.19
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.397	0.484	0.478	0.512	0.492	0.478	0.491	0.476	7.77
23) S	Nitrobenzene-d5	0.280	0.340	0.351	0.356	0.345	0.354	0.346	0.339	7.83
24)	Nitrobenzene	0.413	0.376	0.374	0.389	0.407	0.378	0.363	0.386	4.77
25)	Isophorone	0.655	0.722	0.664	0.703	0.671	0.687	0.675	0.683	3.44
26) C	2-Nitrophenol	0.156	0.170	0.173	0.172	0.180	0.184	0.172		5.72
27)	2,4-Dimethylph...	0.226	0.276	0.298	0.282	0.268	0.279	0.294	0.275	8.76
28)	bis(2-Chloroet...	0.310	0.388	0.407	0.401	0.374	0.376	0.389	0.378	8.53
29) C	2,4-Dichloroph...	0.187	0.252	0.261	0.270	0.273	0.260	0.249	0.250	11.62
30)	1,2,4-Trichlor...	0.246	0.282	0.285	0.293	0.294	0.303	0.295	0.286	6.47
31)	Naphthalene	0.986	1.094	1.087	0.974	0.932	0.930	0.929	0.990	7.30
32)	Benzoic acid	0.177	0.166	0.197	0.204	0.206	0.199	0.191		8.49
33)	4-Chloroaniline	0.328	0.396	0.381	0.368	0.389	0.393	0.385	0.377	6.21
34) C	Hexachlorobuta...	0.159	0.167	0.165	0.174	0.167	0.159	0.154	0.164	4.09
35)	Caprolactam	0.065	0.076	0.078	0.077	0.081	0.077	0.076		7.30
36) C	4-Chloro-3-met...	0.237	0.286	0.293	0.327	0.306	0.313	0.320	0.297	10.22
37)	2-Methylnaphth...	0.529	0.589	0.588	0.606	0.618	0.631	0.617	0.597	5.64

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.675	0.777	0.697	0.665	0.669	0.700	0.717	0.700	5.53
40) P	Hexachlorocycl...		0.076	0.133	0.170	0.176	0.192	0.204	0.158	29.83
41) S	2,4,6-Tribromo...	0.135	0.170	0.170	0.172	0.173	0.167	0.172	0.166	8.21
42) C	2,4,6-Trichlor...	0.262	0.321	0.325	0.348	0.359	0.360	0.355	0.333	10.53
43)	2,4,5-Trichlor...	0.354	0.463	0.446	0.420	0.404	0.435	0.429	0.421	8.31
44) S	2-Fluorobiphenyl	1.430	1.472	1.406	1.420	1.334	1.260	1.217	1.363	6.96
45)	1,1'-Biphenyl	1.705	1.882	1.718	1.596	1.596	1.710	1.715	1.703	5.65
46)	2-Chloronaphth...	1.250	1.391	1.327	1.253	1.217	1.240	1.274	1.279	4.72
47)	2-Nitroaniline	0.264	0.410	0.393	0.381	0.390	0.406	0.405	0.379	13.60
48)	Acenaphthylene	2.008	2.167	2.044	2.105	2.023	1.885	1.870	2.014	5.36
49)	Dimethylphthalate	1.444	1.680	1.478	1.554	1.493	1.465	1.541	1.522	5.24
50)	2,6-Dinitrotol...	0.248	0.323	0.310	0.339	0.311	0.308	0.350	0.313	10.45
51) C	Acenaphthene	1.209	1.251	1.193	1.212	1.183	1.093	1.094	1.176	5.15
52)	3-Nitroaniline	0.251	0.358	0.351	0.336	0.351	0.330	0.333	0.330	11.01
53) P	2,4-Dinitrophenol		0.065	0.074	0.096	0.112	0.135	0.142	0.104	30.49
54)	Dibenzofuran	1.698	1.716	1.634	1.594	1.597	1.512	1.469	1.603	5.64
55) P	4-Nitrophenol		0.071	0.121	0.140	0.159	0.167	0.155	0.136	26.07
56)	2,4-Dinitrotol...	0.316	0.420	0.450	0.430	0.409	0.439	0.419	0.412	10.83
57)	Fluorene	1.470	1.559	1.378	1.426	1.411	1.332	1.218	1.399	7.68
58)	2,3,4,6-Tetrac...	0.204	0.304	0.270	0.313	0.317	0.285	0.278	0.281	13.63
59)	Diethylphthalate	1.468	1.656	1.607	1.461	1.549	1.623	1.439	1.543	5.71
60)	4-Chlorophenyl...	0.620	0.709	0.632	0.615	0.635	0.651	0.632	0.642	4.92
61)	4-Nitroaniline		0.328	0.333	0.351	0.360	0.337	0.331	0.340	3.68
62)	Azobenzene	1.606	1.803	1.579	1.501	1.493	1.589	1.554	1.589	6.51
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.081	0.102	0.125	0.121	0.120	0.126	0.113	15.76
65) c	n-Nitrosodiphe...	0.573	0.640	0.667	0.615	0.614	0.635	0.625	0.624	4.65
66)	4-Bromophenyl-...	0.155	0.195	0.204	0.206	0.201	0.190	0.187	0.191	9.10
67)	Hexachlorobenzene	0.183	0.208	0.200	0.191	0.185	0.199	0.205	0.196	4.88
68)	Atrazine	0.171	0.213	0.193	0.210	0.185	0.170	0.199	0.192	9.03
69) C	Pentachlorophenol		0.053	0.073	0.082	0.092	0.094	0.094	0.082	19.87
70)	Phenanthrene	1.033	1.080	1.067	1.083	1.047	0.987	0.925	1.031	5.57
71)	Anthracene	1.134	1.240	1.183	1.107	1.127	1.139	1.098	1.147	4.30
72)	Carbazole	0.896	1.052	0.989	0.961	0.983	0.972	0.904	0.965	5.50
73)	Di-n-butylphth...	1.234	1.406	1.262	1.257	1.253	1.315	1.339	1.295	4.75
74) C	Fluoranthene	1.009	1.167	1.167	1.161	1.113	1.017	0.962	1.085	8.03
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine		0.696	0.726	0.740	0.737	0.783	0.753	0.739	3.88
77)	Pyrene	1.421	1.504	1.417	1.485	1.505	1.654	1.625	1.516	6.09
78) S	Terphenyl-d14	0.790	0.847	0.876	0.823	0.791	0.909	0.946	0.855	6.93
79)	Butylbenzylphth...	0.532	0.667	0.712	0.753	0.718	0.721	0.721	0.689	10.71
80)	Benzo(a)anthra...	1.033	1.110	1.187	1.130	1.120	1.184	1.138	1.129	4.59
81)	3,3'-Dichlorob...	0.325	0.413	0.420	0.411	0.434	0.437	0.403	0.406	9.34
82)	Chrysene	1.207	1.231	1.169	1.138	1.138	1.301	1.227	1.201	4.88

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83)	Bis(2-ethylhex...	0.879	0.976	0.965	0.994	0.984	1.078	1.097	0.996	7.35
84) c	Di-n-octyl pht...	1.225	1.541	1.565	1.533	1.603	1.753	1.660	1.554	10.58
85)	Indeno(1,2,3-c...	0.786	0.899	0.871	0.807	0.819	0.887	0.910	0.854	5.77
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.051	1.245	1.212	1.144	1.090	1.507	1.444	1.242	13.99
88)	Benzo(k)fluora...	1.190	1.226	1.211	1.265	1.290	0.934	0.877	1.142	14.50
89) C	Benzo(a)pyrene	1.049	1.149	1.127	1.132	1.104	1.142	1.096	1.114	3.08
90)	Dibenzo(a,h)an...	0.757	0.886	0.903	0.886	0.874	0.900	0.938	0.878	6.50
91)	Benzo(g,h,i)pe...	0.755	0.872	0.855	0.887	0.862	0.867	0.942	0.863	6.47

(#) = Out of Range