

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF050416.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed May 04 15:12:53 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF086669.D 10 =BF086670.D 25 =BF086671.D 40 =BF086672.D 50 =BF086673.D 60 =BF086674.D 80 =BF086675.D

Compound		2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	1.434	1.261	1.186	1.256	1.194	1.224	1.186	1.249	7.02
3)	Pyridine	2.800	2.838	3.350	3.232	3.126	3.029	3.062		7.09
4)	n-Nitrosodimet...	1.502	1.801	1.798	1.908	1.994	2.011	1.987	1.857	9.68
5) S	2-Fluorophenol	2.231	2.562	2.553	2.542	2.387	2.250	2.389	2.416	5.83
6)	Aniline	3.763	4.273	4.198	4.067	4.028	3.944	3.846	4.017	4.54
7) S	Phenol-d6	3.528	3.608	3.192	3.286	3.085	3.154	2.929	3.255	7.42
8)	2-Chlorophenol	3.299	3.121	2.922	2.954	2.692	2.649	2.660	2.900	8.63
9)	Benzaldehyde	1.944	1.810	1.430	1.534	1.402		1.624		14.83
10) C	Phenol	3.620	3.974	3.582	3.637	3.552	3.236	3.324	3.561	6.71
11)	bis(2-Chloroet...	3.626	3.188	3.186	2.905	2.893	3.079	2.576	3.065	10.65
12)	1,3-Dichlorobe...	3.438	3.281	3.082	2.986	2.975	3.011	2.778	3.079	7.06
13) C	1,4-Dichlorobe...	3.696	3.402	3.145	3.061	2.954	3.049	2.977	3.183	8.51
14)	1,2-Dichlorobe...	3.190	2.903	2.938	2.815	2.537	2.248	2.772		11.98
15)	Benzyl Alcohol	2.030	2.179	2.205	2.238	2.013	2.100	1.974	2.106	4.92
16)	2,2'-oxybis(1-...	7.644	7.029	6.196	5.945	5.678	5.745	5.626	6.266	12.39
17)	2-Methylphenol	2.457	2.470	2.349	2.265	2.320	2.325	2.156	2.335	4.64
18)	Hexachloroethane	1.305	1.222	1.210	1.216	1.191	1.174	1.095	1.202	5.23
19) P	n-Nitroso-di-n...	2.524	2.442	2.200	2.033	2.262	1.947	2.159	2.224	9.32
20)	3+4-Methylphenols	2.979	3.051	2.868	2.779	2.439	2.777	2.243	2.734	10.67
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.992	1.042	0.928	0.963	0.885	0.852	0.863	0.932	7.58
23) S	Nitrobenzene-d5	0.819	0.812	0.819	0.787	0.725	0.776	0.712	0.778	5.69
24)	Nitrobenzene	0.785	0.858	0.848	0.777	0.855	0.764	0.747	0.805	5.86
25)	Isophorone	1.555	1.580	1.417	1.441	1.359	1.399	1.397	1.450	5.83
26) C	2-Nitrophenol	0.303	0.376	0.390	0.367	0.342	0.353	0.383	0.359	8.29
27)	2,4-Dimethylph...	0.648	0.654	0.676	0.617	0.588	0.641	0.589	0.631	5.29
28)	bis(2-Chloroet...	0.881	0.860	0.795	0.747	0.782	0.801	0.719	0.798	7.18
29) C	2,4-Dichloroph...	0.551	0.591	0.557	0.535	0.538	0.537	0.486	0.542	5.78
30)	1,2,4-Trichlor...	0.651	0.637	0.623	0.615	0.588	0.579	0.541	0.605	6.25
31)	Naphthalene	2.561	2.325	1.991	1.938	1.885	1.899	1.708	2.044	14.40
32)	Benzoic acid	0.109	0.172	0.226	0.247	0.264		0.204		31.01
33)	4-Chloroaniline	0.792	0.832	0.856	0.793	0.734	0.752	0.784	0.792	5.33
34) C	Hexachlorobuta...	0.398	0.388	0.365	0.344	0.315	0.305	0.288	0.343	12.36
35)	Caprolactam	0.155	0.178	0.184	0.170	0.158	0.160	0.171	0.168	6.36
36) C	4-Chloro-3-met...	0.681	0.647	0.630	0.646	0.558	0.620	0.548	0.618	7.89
37)	2-Methylnaphth...	1.367	1.346	1.316	1.244	1.098	1.043	1.026	1.206	12.20

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38)	I	Acenaphthene-d10	-----ISTD-----								
39)		1,2,4,5-Tetrac...	1.279	1.252	1.147	1.144	1.126	1.140	1.016	1.158	7.51
40)	P	Hexachlorocycl...		0.361	0.416	0.450	0.486	0.540	0.540	0.465	15.23
41)	S	2,4,6-Tribromo...	0.341	0.406	0.414	0.417	0.388	0.364	0.408	0.391	7.41
42)	C	2,4,6-Trichlor...	0.669	0.744	0.728	0.733	0.738	0.810	0.732	0.736	5.57
43)		2,4,5-Trichlor...	0.730	0.782	0.827	0.814	0.758	0.753	0.719	0.769	5.28
44)	S	2-Fluorobiphenyl		2.911	2.736	2.446	2.130	2.195	2.224	2.440	13.11
45)		1,1'-Biphenyl	3.918	3.589	3.238	3.535	3.154	2.921	2.538	3.270	14.03
46)		2-Chloronaphth...	2.900	2.816	2.541	2.567	2.423	2.328	2.090	2.524	11.03
47)		2-Nitroaniline	0.850	0.903	0.924	0.863	0.857	0.970	0.913	0.897	4.86
48)		Acenaphthylene		4.304	4.002	4.013	3.630	3.395	3.135	3.746	11.68
49)		Dimethylphthalate	3.302	3.270	2.969	2.837	2.863	2.716	2.917	2.982	7.45
50)		2,6-Dinitrotol...	0.637	0.689	0.628	0.671	0.608	0.577	0.669	0.640	6.18
51)	C	Acenaphthene	2.978	2.655	2.560	2.485	2.225	2.214	2.181	2.471	11.80
52)		3-Nitroaniline	0.740	0.759	0.742	0.712	0.728	0.694	0.718	0.727	2.99
53)	P	2,4-Dinitrophenol		0.045	0.112	0.152	0.198	0.231	0.259	0.166	47.94
54)		Dibenzofuran	3.533	3.371	3.250	3.180	2.941	2.669	2.499	3.063	12.31
55)	P	4-Nitrophenol		0.312	0.409	0.446	0.441	0.495	0.441	0.424	14.46
56)		2,4-Dinitrotol...	0.778	0.871	0.833	0.844	0.733	0.771	0.722	0.793	7.22
57)		Fluorene		2.925	2.643	2.641	2.495	2.212	1.978	2.482	13.66
58)		2,3,4,6-Tetrac...	0.495	0.562	0.609	0.581	0.542	0.591	0.575	0.565	6.61
59)		Diethylphthalate	3.215	3.172	2.819	2.714	2.754	2.676	2.406	2.822	10.10
60)		4-Chlorophenyl...		1.456	1.238	1.146	1.043	1.086	1.113	1.180	12.72
61)		4-Nitroaniline	0.616	0.710	0.729	0.718	0.695	0.710	0.714	0.699	5.43
62)		Azobenzene	3.338	3.447	3.244	3.086	2.812	2.928	3.037	3.128	7.25
63)	I	Phenanthrene-d10	-----ISTD-----								
64)		4,6-Dinitro-2-...		0.084	0.164	0.175	0.225	0.210	0.248	0.184	31.49
65)	c	n-Nitrosodiphe...	1.403	1.315	1.313	1.324	1.217	1.137	1.180	1.270	7.41
66)		4-Bromophenyl-...	0.409	0.423	0.427	0.424	0.385	0.366	0.348	0.398	7.91
67)		Hexachlorobenzene	0.526	0.502	0.480	0.478	0.492	0.492	0.423	0.485	6.54
68)		Atrazine	0.411	0.410	0.450	0.376	0.373	0.395	0.311	0.389	11.11
69)	C	Pentachlorophenol		0.133	0.189	0.202	0.225	0.239	0.233	0.203	19.48
70)		Phenanthrene	2.489	2.293	2.162	2.063	2.114	2.087	1.832	2.149	9.49
71)		Anthracene	2.507	2.367	2.478	2.350	2.054	2.002	1.991	2.250	10.08
72)		Carbazole	2.050	2.029	2.076	2.043	1.993	1.825	1.661	1.954	7.85
73)		Di-n-butylphth...	2.601	2.489	2.469	2.250	2.115	2.166	2.146	2.320	8.46
74)	C	Fluoranthene	2.370	2.255	2.396	2.280	2.053	1.873	1.845	2.153	10.66
75)	I	Chrysene-d12	-----ISTD-----								
76)		Benzidine		0.495	0.874	0.991	1.171	1.121		0.930	28.98
77)		Pyrene	3.486	3.118	3.208	3.587	3.356	2.961	2.606	3.189	10.49
78)	S	Terphenyl-d14	2.142	1.999	2.112	2.134	1.889	1.757	1.822	1.979	8.01
79)		Butylbenzylphth...	1.108	1.211	1.353	1.427	1.503	1.498	1.249	1.336	11.34
80)		Benzo(a)anthra...	2.456	2.356	2.288	2.312	2.239	2.128	2.056	2.262	6.01
81)		3,3'-Dichlorob...	1.350	1.405	1.476	1.801	1.435	1.258	1.228	1.422	13.37
82)		Chrysene	2.704	2.423	2.485	2.575	2.586	2.276	1.845	2.413	11.81

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83)	Bis(2-ethylhex...	1.459	1.498	1.629	1.676	1.669	1.548	1.342	1.546	7.93
84) c	Di-n-octyl pht...	1.919	2.126	2.406	2.424	2.483	2.376	2.187	2.274	8.95
85)	Indeno(1,2,3-c...	1.716	1.775	1.982	2.286	2.344	2.266	2.126	2.071	12.21
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	2.159	2.194	2.756	2.536	2.356	2.132	2.692	2.404	10.80
88)	Benzo(k)fluora...		2.801	2.109	2.069	2.068	2.276		2.265	13.77
89) C	Benzo(a)pyrene	2.442	2.262	2.220	2.204	2.167	2.118	2.085	2.214	5.30
90)	Dibenzo(a,h)an...	2.024	2.105	2.148	2.268	2.166	2.189	1.988	2.127	4.55
91)	Benzo(g,h,i)pe...	2.255	2.102	2.199	2.386	2.262	2.299	2.126	2.233	4.43

(#) = Out of Range