

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF112916.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Nov 29 13:33:46 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF091316.D 10 =BF091317.D 25 =BF091318.D 40 =BF091319.D 50 =BF091320.D 60 =BF091321.D 80 =BF091322.D

Compound	2.5	10	25	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.640	0.561	0.563	0.536	0.554	0.518	0.506	0.554	7.90
3) Pyridine	1.634	1.605	1.603	1.556	1.564	1.524	1.485	1.567	3.27
4) n-Nitrosodimet...	0.867	0.867	0.802	0.793	0.847	0.799	0.782	0.822	4.45
5) S 2-Fluorophenol	1.393	1.374	1.180	1.201	1.241	1.174	1.007	1.224	10.71
6) Aniline	2.326	2.086	2.031	1.958	1.957	1.856	1.800	2.002	8.63
7) S Phenol-d6	1.689	1.692	1.594	1.412	1.451	1.446	1.265	1.507	10.48
8) 2-Chlorophenol	1.542	1.524	1.329	1.311	1.337	1.250	1.103	1.342	11.38
9) Benzaldehyde	1.169	1.091	0.991	0.963	0.933	0.873	0.764	0.969	13.84
10) C Phenol	2.108	1.939	1.818	1.698	1.612	1.822	1.416	1.773	12.67
11) bis(2-Chloroet...	1.349	1.472	1.243	1.164	1.341	1.269	1.031	1.267	11.20
12) 1,3-Dichlorobe...	1.788	1.647	1.451	1.359	1.428	1.404	1.374	1.493	10.82
13) C 1,4-Dichlorobe...	1.805	1.697	1.534	1.395	1.365	1.297	1.305	1.485	13.46
14) 1,2-Dichlorobe...	1.617	1.472	1.365	1.329	1.435	1.319	1.146	1.383	10.59
15) Benzyl Alcohol	1.388	1.200	1.286	1.234	1.111	1.081	1.143	1.206	8.89
16) 2,2'-oxybis(1-...	3.109	2.854	2.656	2.656	2.693	2.641	2.462	2.724	7.51
17) 2-Methylphenol	1.274	1.119	1.043	1.072	1.013	0.947	0.960	1.061	10.52
18) Hexachloroethane	0.537	0.547	0.563	0.530	0.525	0.506	0.483	0.527	5.04
19) P n-Nitroso-di-n...	1.042	1.031	0.989	0.850	0.966	0.896	0.872	0.949	8.12
20) 3+4-Methylphenols	1.500	1.479	1.376	1.155	1.310	1.247	1.001	1.295	13.78
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.527	0.520	0.454	0.489	0.467	0.416	0.445	0.474	8.56
23) S Nitrobenzene-d5	0.375	0.353	0.383	0.344	0.347	0.354	0.341	0.357	4.52
24) Nitrobenzene	0.360	0.404	0.341	0.368	0.412	0.351	0.322	0.365	8.95
25) Isophorone	0.671	0.658	0.610	0.640	0.621	0.616	0.610	0.632	3.91
26) C 2-Nitrophenol	0.145	0.173	0.160	0.156	0.177	0.174	0.180	0.167	7.75
27) 2,4-Dimethylph...	0.345	0.317	0.306	0.326	0.321	0.285	0.280	0.311	7.43
28) bis(2-Chloroet...	0.387	0.427	0.370	0.348	0.383	0.383	0.366	0.381	6.47
29) C 2,4-Dichloroph...	0.289	0.294	0.273	0.257	0.276	0.269	0.260	0.274	5.00
30) 1,2,4-Trichlor...	0.313	0.342	0.332	0.306	0.300	0.280	0.278	0.307	7.83
31) Naphthalene	1.018	1.081	1.027	0.932	0.897	0.843	0.855	0.951	9.73
32) Benzoic acid	0.178	0.210	0.232	0.246	0.250	0.238	0.252	0.230	11.67
33) 4-Chloroaniline	0.416	0.446	0.427	0.381	0.398	0.396	0.380	0.406	6.02
34) C Hexachlorobuta...	0.193	0.198	0.198	0.193	0.191	0.178	0.171	0.189	5.45
35) Caprolactam	0.078	0.080	0.076	0.080	0.088	0.078	0.072	0.079	6.15
36) C 4-Chloro-3-met...	0.327	0.286	0.301	0.288	0.287	0.300	0.282	0.296	5.28
37) 2-Methylnaphth...	0.720	0.639	0.614	0.640	0.669	0.644	0.594	0.646	6.22
38) I Acenaphthene-d10	-----ISTD-----								

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39)		1,2,4,5-Tetrac...	0.606	0.648	0.606	0.492	0.467		0.564	14.04	
40)	P	Hexachlorocycl...	0.260	0.271	0.279	0.255	0.249	0.245	0.271	0.261	4.83
41)	S	2,4,6-Tribromo...	0.199	0.230	0.186	0.174	0.195	0.182	0.159	0.189	11.77
42)	C	2,4,6-Trichlor...	0.404	0.382	0.371	0.362	0.366	0.340	0.340	0.366	6.20
43)		2,4,5-Trichlor...	0.409	0.384	0.404	0.367	0.353	0.328	0.325	0.367	9.23
44)	S	2-Fluorobiphenyl		1.360	1.179	1.101	1.115	0.989	0.884	1.105	14.76
45)		1,1'-Biphenyl	1.656	1.737	1.573	1.236	1.271	1.257	1.337	1.438	14.65
46)		2-Chloronaphth...	1.191	1.281	1.138	0.937	0.989	0.963	0.997	1.071	12.33
47)		2-Nitroaniline	0.365	0.416	0.424	0.337	0.361	0.393	0.399	0.385	8.25
48)		Acenaphthylene	1.966	1.956	1.666	1.589	1.707	1.504	1.414	1.686	12.56
49)		Dimethylphthalate	1.367	1.470	1.223	1.200	1.129	0.990	1.099	1.211	13.46
50)		2,6-Dinitrotol...	0.260	0.313	0.271	0.277	0.295	0.244	0.235	0.271	10.16
51)	C	Acenaphthene	1.336	1.273	1.127	1.133	1.116	1.036	0.939	1.137	11.80
52)		3-Nitroaniline	0.357	0.320	0.349	0.262	0.330	0.315	0.260	0.313	12.29
53)	P	2,4-Dinitrophenol		0.090	0.120	0.127	0.123	0.133		0.118	14.07
54)		Dibenzofuran	1.865	1.736	1.489	1.445	1.492	1.381	1.250	1.523	13.81
55)	P	4-Nitrophenol	0.215	0.234	0.250	0.216	0.263	0.204	0.201	0.226	10.43
56)		2,4-Dinitrotol...	0.305	0.431	0.354	0.361	0.379	0.308	0.320	0.351	12.82
57)		Fluorene		1.466	1.171	1.077	1.177	1.123	1.000	1.169	13.65
58)		2,3,4,6-Tetrac...	0.355	0.336	0.306	0.315	0.324	0.295	0.265	0.314	9.25
59)		Diethylphthalate	1.499	1.343	1.213	1.156	1.136	1.020	1.000	1.195	14.82
60)		4-Chlorophenyl...	0.647	0.673	0.605	0.524	0.483			0.586	13.74
61)		4-Nitroaniline	0.313	0.305	0.303	0.299	0.271	0.302	0.266	0.294	6.07
62)		Azobenzene	1.384	1.237	1.305	1.259	1.216	1.088	1.050	1.220	9.62
-----ISTD-----											
63)	I	Phenanthrene-d10									
64)		4,6-Dinitro-2-...		0.084	0.106	0.107	0.124	0.131	0.108	0.110	14.74
65)	c	n-Nitrosodiphe...	0.646	0.638	0.652	0.563	0.560	0.589	0.598	0.606	6.37
66)		4-Bromophenyl-...	0.229	0.220	0.224	0.223	0.213	0.204	0.193	0.215	5.93
67)		Hexachlorobenzene	0.254	0.249	0.231	0.211	0.225	0.226	0.232	0.232	6.36
68)		Atrazine	0.220	0.217	0.201	0.170	0.196	0.197	0.174	0.196	9.78
69)	C	Pentachlorophenol	0.121	0.141	0.143	0.148	0.142	0.136	0.126	0.137	7.16
70)		Phenanthrene	1.155	1.153	1.030	0.940	1.004	1.023	0.969	1.039	8.11
71)		Anthracene	1.279	1.098	1.073	1.075	0.975	0.890	0.830	1.031	14.43
72)		Carbazole	1.093	1.085	0.965	0.861	0.852	0.883	0.812	0.936	12.23
73)		Di-n-butylphth...	1.183	1.189	1.077	1.092	1.038	0.975	0.870	1.061	10.66
74)	C	Fluoranthene		1.152	1.047	1.038	0.983	0.910	0.776	0.984	13.16
-----ISTD-----											
75)	I	Chrysene-d12									
76)		Benzidine	0.433	0.614	0.635	0.619	0.639	0.613	0.556	0.587	12.45
77)		Pyrene	1.592	1.461	1.669	1.645	1.511	1.329	1.417	1.518	8.22
78)	S	Terphenyl-d14	1.032	0.952	0.993	0.994	0.889	0.784	0.797	0.920	10.80
79)		Butylbenzylpht...	0.535	0.571	0.535	0.567	0.620	0.597	0.553	0.568	5.54
80)		Benzo(a)anthra...	1.281	1.266	1.149	1.155	1.176	1.074	1.087	1.170	6.84
81)		3,3'-Dichlorob...	0.364	0.468	0.431	0.394	0.424	0.407	0.396	0.412	8.06
82)		Chrysene	1.276	1.202	1.097	1.198	1.216	1.041	1.070	1.157	7.55
83)		Bis(2-ethylhex...	0.732	0.746	0.666	0.747	0.773	0.712	0.668	0.720	5.68
84)	c	Di-n-octyl pht...	0.998	1.231	1.077	1.120	1.115	1.050	1.041	1.090	6.90
85)		Indeno(1,2,3-c...		0.873	1.209	1.115	1.061	1.042		1.060	11.61

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86) I	Perylene-d12										
87)	Benzo(b)fluora...	1.355	1.295	1.124	1.368	1.290	1.192	1.077	1.243	9.14	
88)	Benzo(k)fluora...			1.291	1.156	0.873	0.957	1.014	0.981	1.045	14.53
89) C	Benzo(a)pyrene	1.189	1.180	1.161	1.063	1.091	1.094	1.037	1.116	5.38	
90)	Dibenzo(a,h)an...	0.869	0.965	1.187	1.066	1.021	1.014	1.106	1.033	9.87	
91)	Benzo(g,h,i)pe...	0.846	0.963	1.224	1.123	1.069	1.056	1.170	1.065	12.03	

(#) = Out of Range