

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF083116.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Aug 31 11:55:18 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF089929.D 10 =BF089930.D 25 =BF089931.D 40 =BF089932.D 50 =BF089933.D 60 =BF089934.D 80 =BF089935.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.647	0.666	0.582	0.557	0.554	0.567	0.571	0.592	7.67
3)	Pyridine	1.333	1.508	1.658	1.646	1.622	1.668	1.622	1.579	7.66
4)	n-Nitrosodimet...	0.704	0.800	0.800	0.803	0.776	0.785	0.785	0.779	4.41
5) S	2-Fluorophenol	1.356	1.393	1.196	1.303	1.189	1.111	1.199	1.250	8.21
6)	Aniline	2.348	2.343	2.179	1.973	1.911	1.916	1.832	2.072	10.41
7) S	Phenol-d6	1.783	1.655	1.579	1.538	1.399	1.372	1.302	1.518	11.26
8)	2-Chlorophenol	1.471	1.540	1.343	1.374	1.283	1.207	1.272	1.356	8.64
9)	Benzaldehyde	1.032	1.127	0.969	0.985	0.929	0.940	0.875	0.980	8.31
10) C	Phenol	2.093	1.863	1.934	1.716	1.717	1.420	1.616	1.766	12.49
11)	bis(2-Chloroet...	1.462	1.422	1.438	1.261	1.335	1.317	1.117	1.336	9.05
12)	1,3-Dichlorobe...	1.648	1.709	1.473	1.472	1.466	1.477	1.353	1.514	8.04
13) C	1,4-Dichlorobe...	1.787	1.731	1.469	1.487	1.445	1.484	1.441	1.549	9.39
14)	1,2-Dichlorobe...	1.575	1.596	1.472	1.427	1.309	1.194	1.148	1.389	12.74
15)	Benzyl Alcohol	1.002	1.133	1.042	0.955	0.853	0.887	0.785	0.951	12.53
16)	2,2'-oxybis(1-...	2.648	2.763	2.578	2.605	2.474	2.444	2.321	2.547	5.74
17)	2-Methylphenol	1.025	1.237	1.064	1.081	1.077	1.051	1.044	1.083	6.56
18)	Hexachloroethane	0.555	0.607	0.551	0.529	0.496	0.490	0.486	0.531	8.33
19) P	n-Nitroso-di-n...	1.153	1.052	0.972	1.038	0.877	0.900	0.934	0.989	9.86
20)	3+4-Methylphenols	1.513	1.540	1.415	1.162	1.205	1.289	1.062	1.312	13.90
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.501	0.541	0.447	0.436	0.432	0.388	0.396	0.449	12.22
23) S	Nitrobenzene-d5	0.386	0.408	0.364	0.343	0.306	0.315	0.292	0.345	12.51
24)	Nitrobenzene	0.383	0.400	0.402	0.341	0.388	0.365	0.287	0.367	11.15
25)	Isophorone	0.762	0.804	0.690	0.681	0.655	0.662	0.654	0.701	8.36
26) C	2-Nitrophenol	0.147	0.190	0.191	0.174	0.166	0.173	0.186	0.175	8.99
27)	2,4-Dimethylph...	0.351	0.382	0.318	0.294	0.332	0.323	0.268	0.324	11.42
28)	bis(2-Chloroet...	0.465	0.456	0.455	0.436	0.395	0.360	0.395	0.423	9.46
29) C	2,4-Dichloroph...	0.304	0.333	0.311	0.274	0.274	0.285	0.253	0.291	9.31
30)	1,2,4-Trichlor...	0.354	0.335	0.329	0.326	0.311	0.308	0.261	0.318	9.28
31)	Naphthalene	1.243	1.174	0.986	0.914	0.912	0.941	0.804	0.996	15.66
32)	Benzoic acid		0.156	0.197	0.216	0.246	0.252	0.244	0.218	17.07
33)	4-Chloroaniline	0.417	0.454	0.453	0.408	0.374	0.345	0.362	0.402	10.78
34) C	Hexachlorobuta...	0.217	0.205	0.187	0.180	0.175	0.173	0.167	0.186	9.85
35)	Caprolactam	0.080	0.099	0.086	0.096	0.097	0.092	0.091	0.092	7.16
36) C	4-Chloro-3-met...	0.294	0.344	0.307	0.306	0.322	0.276	0.306	0.308	6.88
37)	2-Methylnaphth...	0.774	0.739	0.675	0.668	0.642	0.611	0.500	0.658	13.57

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.708	0.683	0.597	0.519	0.521	0.545	0.530	0.586	13.57
40) P	Hexachlorocycl...	0.240	0.285	0.304	0.309	0.331	0.332	0.302	0.300	10.49
41) S	2,4,6-Tribromo...	0.211	0.216	0.194	0.199	0.200	0.179	0.182	0.197	6.87
42) C	2,4,6-Trichlor...	0.350	0.403	0.434	0.430	0.420	0.408	0.396	0.406	6.94
43)	2,4,5-Trichlor...	0.372	0.422	0.434	0.361	0.386	0.398	0.360	0.390	7.51
44) S	2-Fluorobiphenyl	1.598	1.379	1.358	1.175	1.064	0.950	1.004	1.218	19.35
45)	1,1'-Biphenyl	1.938	1.919	1.601	1.456	1.556	1.579	1.223	1.610	15.64
46)	2-Chloronaphth...	1.263	1.232	1.260	1.094	1.039	1.022	1.064	1.139	9.47
47)	2-Nitroaniline	0.318	0.409	0.352	0.360	0.429	0.418	0.322	0.372	12.37
48)	Acenaphthylene	2.185	2.049	2.082	1.833	1.716	1.643	1.677	1.884	11.65
49)	Dimethylphthalate	1.747	1.420	1.486	1.273	1.490	1.335	1.369	1.446	10.68
50)	2,6-Dinitrotol...	0.315	0.314	0.360	0.313	0.300	0.361	0.288	0.322	8.79
51) C	Acenaphthene	1.315	1.258	1.313	1.136	1.100	1.115	1.116	1.193	8.20
52)	3-Nitroaniline	0.348	0.354	0.372	0.330	0.418	0.361	0.384	0.367	7.84
53) P	2,4-Dinitrophenol	0.026	0.089	0.148	0.144	0.182	0.193		0.130	48.03
54)	Dibenzofuran	1.913	1.739	1.788	1.550	1.453	1.348	1.403	1.599	13.49
55) P	4-Nitrophenol		0.242	0.279	0.300	0.321	0.260	0.257	0.277	10.67
56)	2,4-Dinitrotol...	0.409	0.475	0.412	0.455	0.385	0.384	0.333	0.408	11.56
57)	Fluorene		1.473	1.269	1.220	1.153	0.999	0.898	1.169	17.42
58)	2,3,4,6-Tetrac...	0.334	0.357	0.349	0.321	0.329	0.348	0.303	0.334	5.63
59)	Diethylphthalate	1.556	1.423	1.422	1.277	1.336	1.361	1.144	1.360	9.51
60)	4-Chlorophenyl...		0.695	0.610	0.553	0.550	0.508	0.383	0.550	18.95
61)	4-Nitroaniline	0.315	0.359	0.364	0.391	0.344	0.388	0.360	0.360	7.12
62)	Azobenzene	1.568	1.433	1.351	1.260	1.363	1.345	1.188	1.358	8.93
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.104	0.127	0.117	0.136	0.137	0.146	0.128	11.94
65) c	n-Nitrosodiphe...	0.763	0.684	0.642	0.564	0.509	0.547	0.500	0.601	16.33
66)	4-Bromophenyl-...	0.224	0.234	0.211	0.194	0.178	0.176	0.193	0.201	11.08
67)	Hexachlorobenzene	0.268	0.281	0.221	0.205	0.209	0.222	0.203	0.230	13.75
68)	Atrazine	0.209	0.234	0.185	0.186	0.211	0.185	0.195	0.201	9.15
69) C	Pentachlorophenol	0.079	0.119	0.139	0.138	0.133	0.127	0.131	0.124	16.89
70)	Phenanthrene	1.280	1.152	1.056	0.979	0.872	0.794	0.840	0.996	17.84
71)	Anthracene	1.234	1.245	0.992	0.890	0.946	0.981	0.783	1.010	16.98
72)	Carbazole	1.136	1.070	1.050	0.905	0.806	0.785	0.879	0.947	14.56
73)	Di-n-butylphth...	1.263	1.281	1.059	1.031	1.046	1.077	0.971	1.104	10.84
74) C	Fluoranthene	1.259	1.176	1.098	1.062	0.986	0.911	0.814	1.044	14.66
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.643	0.774	0.846	0.759	0.662	0.673	0.946	0.758	14.54
77)	Pyrene	1.560	1.603	1.349	1.278	1.337	1.344	1.400	1.410	8.72
78) S	Terphenyl-d14	0.996	0.955	0.807	0.682	0.692	0.737	0.799	0.810	15.21
79)	Butylbenzylphth...	0.456	0.605	0.582	0.553	0.523	0.518	0.743	0.569	15.98
80)	Benzo(a)anthra...	1.294	1.294	1.241	1.194	1.101	1.152	1.299	1.225	6.40
81)	3,3'-Dichlorob...	0.364	0.471	0.456	0.429	0.462	0.465	0.448	0.442	8.36
82)	Chrysene	1.347	1.230	1.242	1.079	0.953	0.876	1.282	1.144	15.55

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83)	Bis(2-ethylhex...	0.721	0.813	0.788	0.786	0.757	0.754	0.887	0.787	6.79
84) c	Di-n-octyl pht...	0.896	1.232	1.330	1.360	1.334	1.294	1.441	1.270	13.90
85)	Indeno(1,2,3-c...	0.736	0.876	0.844	0.843	0.860	0.808	0.955	0.846	7.87
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.340	1.279	1.133	1.418	1.259	1.233	1.108	1.253	8.70
88)	Benzo(k)fluora...	1.142	1.230	1.288	0.898	0.873	0.905	1.106	1.063	16.04
89) C	Benzo(a)pyrene	1.099	1.163	1.108	1.087	1.037	1.028	0.993	1.073	5.36
90)	Dibenzo(a,h)an...	0.741	0.826	0.807	0.787	0.786	0.804	0.754	0.787	3.83
91)	Benzo(g,h,i)pe...	0.761	0.838	0.785	0.781	0.778	0.821	0.779	0.792	3.44

(#) = Out of Range