

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF072016.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jul 20 19:03:15 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF089129.D 10 =BF089130.D 25 =BF089131.D 40 =BF089132.D 50 =BF089133.D 60 =BF089134.D 80 =BF089135.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.606	0.560	0.612	0.570	0.527	0.569	0.552	0.571	5.21
3)	Pyridine	1.302	1.495	1.447	1.420	1.515	1.494	1.482	1.450	5.02
4)	n-Nitrosodimet...	0.498	0.593	0.628	0.614	0.642	0.646	0.654	0.611	8.82
5) S	2-Fluorophenol	1.283	1.327	1.354	1.295	1.303	1.327	1.315	1.315	1.79
6)	Aniline	2.446	2.437	2.324	2.197	2.232	2.232	2.170	2.291	4.94
7) S	Phenol-d6	1.852	1.843	1.685	1.643	1.633	1.620	1.593	1.696	6.34
8)	2-Chlorophenol	1.466	1.560	1.478	1.398	1.428	1.474	1.409	1.459	3.75
9)	Benzaldehyde	1.065	1.113	1.006	0.881	0.840	0.770	0.670	0.906	17.86
10) C	Phenol	2.056	2.055	1.950	1.962	1.897	1.876	1.880	1.954	3.94
11)	bis(2-Chloroet...	1.525	1.601	1.423	1.472	1.466	1.372	1.411	1.467	5.24
12)	1,3-Dichlorobe...	1.740	1.690	1.584	1.494	1.565	1.595	1.611	1.611	5.04
13) C	1,4-Dichlorobe...	1.742	1.709	1.638	1.517	1.559	1.573	1.623	1.623	5.00
14)	1,2-Dichlorobe...	1.647	1.563	1.579	1.545	1.563	1.499	1.314	1.530	6.86
15)	Benzyl Alcohol	1.237	1.303	1.259	1.269	1.243	1.182	1.200	1.242	3.32
16)	2,2'-oxybis(1-...	1.782	1.697	1.706	1.635	1.686	1.632	1.566	1.672	4.09
17)	2-Methylphenol	1.217	1.168	1.147	1.133	1.143	1.131	1.105	1.149	3.09
18)	Hexachloroethane	0.638	0.633	0.595	0.577	0.607	0.595	0.626	0.610	3.72
19) P	n-Nitroso-di-n...	1.148	1.090	1.145	1.131	1.122	1.072	1.056	1.109	3.32
20)	3+4-Methylphenols	1.606	1.621	1.595	1.572	1.559	1.486	1.486	1.560	3.52
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.553	0.546	0.544	0.540	0.516	0.514	0.525	0.534	2.90
23) S	Nitrobenzene-d5	0.385	0.372	0.405	0.362	0.371	0.393	0.348	0.376	5.14
24)	Nitrobenzene	0.403	0.418	0.381	0.408	0.414	0.361	0.394	0.397	5.07
25)	Isophorone	0.698	0.715	0.716	0.679	0.681	0.691	0.676	0.694	2.39
26) C	2-Nitrophenol	0.172	0.192	0.188	0.176	0.181	0.195	0.193	0.185	4.84
27)	2,4-Dimethylph...	0.328	0.314	0.331	0.292	0.295	0.319	0.305	0.312	4.88
28)	bis(2-Chloroet...	0.430	0.408	0.472	0.458	0.438	0.404	0.427	0.434	5.67
29) C	2,4-Dichloroph...	0.271	0.284	0.303	0.277	0.276	0.278	0.279	0.281	3.69
30)	1,2,4-Trichlor...	0.311	0.309	0.313	0.309	0.311	0.322	0.303	0.311	1.86
31)	Naphthalene	1.155	1.167	1.099	1.006	1.000	1.046	1.082	1.079	6.16
32)	Benzoic acid		0.205	0.243	0.247	0.249	0.248	0.247	0.240	7.21
33)	4-Chloroaniline	0.455	0.456	0.455	0.448	0.474	0.466	0.422	0.454	3.62
34) C	Hexachlorobuta...	0.173	0.180	0.187	0.173	0.175	0.167	0.157	0.173	5.66
35)	Caprolactam	0.076	0.088	0.094	0.086	0.092	0.094	0.081	0.087	7.75
36) C	4-Chloro-3-met...	0.335	0.333	0.369	0.327	0.335	0.360	0.313	0.339	5.73
37)	2-Methylnaphth...	0.691	0.684	0.704	0.691	0.715	0.705	0.629	0.688	4.08

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.776	0.763	0.711	0.690	0.729	0.764	0.770	0.743	4.51
40) P	Hexachlorocycl...		0.112	0.172	0.209	0.225	0.236	0.256	0.201	26.00
41) S	2,4,6-Tribromo...	0.171	0.168	0.197	0.172	0.179	0.186	0.188	0.180	5.86
42) C	2,4,6-Trichlor...	0.389	0.395	0.428	0.426	0.453	0.420	0.401	0.416	5.39
43)	2,4,5-Trichlor...	0.387	0.412	0.417	0.426	0.447	0.429	0.406	0.418	4.53
44) S	2-Fluorobiphenyl	1.591	1.452	1.534	1.518	1.479	1.289	1.299	1.452	8.00
45)	1,1'-Biphenyl	1.891	1.883	1.789	1.643	1.756	1.903	1.743	1.801	5.34
46)	2-Chloronaphth...	1.402	1.399	1.433	1.298	1.315	1.336	1.397	1.369	3.76
47)	2-Nitroaniline	0.461	0.472	0.461	0.442	0.495	0.515	0.441	0.470	5.81
48)	Acenaphthylene	2.148	2.173	2.348	2.045	2.070	2.073	2.207	2.152	4.89
49)	Dimethylphthalate	1.513	1.475	1.514	1.586	1.631	1.435	1.590	1.535	4.55
50)	2,6-Dinitrotol...	0.347	0.342	0.332	0.368	0.355	0.308	0.373	0.346	6.41
51) C	Acenaphthene	1.299	1.272	1.383	1.223	1.207	1.210	1.317	1.273	5.12
52)	3-Nitroaniline	0.381	0.415	0.385	0.437	0.440	0.380	0.443	0.411	7.05
53) P	2,4-Dinitrophenol		0.065	0.124	0.153	0.162	0.161	0.183	0.141	29.72
54)	Dibenzofuran	1.748	1.754	1.887	1.678	1.646	1.610	1.717	1.720	5.27
55) P	4-Nitrophenol	0.177	0.237	0.245	0.269	0.258	0.261	0.294	0.249	14.70
56)	2,4-Dinitrotol...	0.488	0.463	0.453	0.444	0.415	0.448	0.413	0.446	5.86
57)	Fluorene	1.602	1.461	1.550	1.572	1.465	1.272	1.298	1.460	8.94
58)	2,3,4,6-Tetrac...	0.267	0.296	0.327	0.313	0.291	0.285	0.321	0.300	7.10
59)	Diethylphthalate	1.528	1.492	1.622	1.454	1.541	1.600	1.416	1.522	4.89
60)	4-Chlorophenyl...	0.711	0.691	0.637	0.637	0.702	0.683	0.605	0.667	6.04
61)	4-Nitroaniline	0.359	0.400	0.430	0.392	0.446	0.392	0.384	0.400	7.27
62)	Azobenzene	1.702	1.719	1.653	1.529	1.635	1.722	1.617	1.654	4.17
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.088	0.109	0.123	0.125	0.122	0.132	0.116	13.40
65) c	n-Nitrosodiphe...	0.654	0.675	0.701	0.621	0.685	0.728	0.614	0.668	6.21
66)	4-Bromophenyl-...	0.194	0.206	0.214	0.196	0.192	0.182	0.202	0.198	5.31
67)	Hexachlorobenzene	0.227	0.223	0.200	0.199	0.219	0.223	0.199	0.213	6.13
68)	Atrazine	0.224	0.219	0.221	0.208	0.185	0.200	0.207	0.209	6.61
69) C	Pentachlorophenol		0.075	0.099	0.102	0.103	0.105	0.104	0.098	11.61
70)	Phenanthrene	1.106	1.153	1.192	1.012	1.000	1.077	1.141	1.097	6.58
71)	Anthracene	1.258	1.208	1.114	1.145	1.196	1.099	0.962	1.140	8.45
72)	Carbazole	1.002	1.032	1.061	1.045	1.024	0.951	0.896	1.002	5.83
73)	Di-n-butylphth...	1.305	1.353	1.207	1.125	1.162	1.237	1.284	1.239	6.55
74) C	Fluoranthene	1.201	1.268	1.192	1.043	1.069	1.111	1.189	1.153	7.01
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.656	0.706	0.721	0.684	0.708	0.691	0.647	0.688	3.99
77)	Pyrene	1.542	1.520	1.641	1.676	1.685	1.702	1.796	1.652	5.76
78) S	Terphenyl-d14	0.869	0.949	0.840	0.828	0.974	1.077	0.918	0.922	9.49
79)	Butylbenzylphth...	0.638	0.687	0.703	0.706	0.703	0.734	0.720	0.699	4.37
80)	Benzo(a)anthra...	1.180	1.220	1.227	1.237	1.308	1.443	1.300	1.274	6.86
81)	3,3'-Dichlorob...	0.342	0.396	0.453	0.468	0.438	0.440	0.421	0.423	10.02
82)	Chrysene	1.146	1.187	1.093	1.260	1.383	1.353	1.096	1.217	9.71

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83)	Bis(2-ethylhex...	0.852	0.900	0.885	0.886	0.943	1.024	0.997	0.927	6.86
84) c	Di-n-octyl pht...	1.390	1.447	1.455	1.490	1.597	1.735	1.590	1.529	7.73
85)	Indeno(1,2,3-c...	0.766	0.835	0.848	0.878	0.912	0.985	0.963	0.884	8.62
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.498	1.414	1.223	1.633	1.524	1.512	1.336	1.449	9.39
88)	Benzo(k)fluora...	1.072	1.149	1.229	0.856	0.965	0.944		1.036	13.45
89) C	Benzo(a)pyrene	1.151	1.166	1.124	1.080	1.117	1.148	1.087	1.125	2.92
90)	Dibenzo(a,h)an...	0.849	0.877	0.895	0.864	0.894	0.897	0.940	0.888	3.27
91)	Benzo(g,h,i)pe...	0.897	0.878	0.881	0.865	0.893	0.906	0.948	0.895	3.02

(#) = Out of Range