Method Path : Z:\HPCHEM1\BNA_F\METHODS\
Method File : 8270-BF042716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 27 14:20:52 2016
Response Via : Initial Calibration

Calibration Files
2.5 =BF086414.D 10 =BF086415.D 25 =BF086416.D 40 =BF086417.D 50 =BF086418.D 60 =BF086419.D 80 =BF086420.D

		Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.675	0.622	0.607	0.578	0.596	0.596	0.591	0.609	5.28
3)		Pyridine	1.166	1.362	1.574	1.369	1.480	1.594	1.545	1.442	10.61
4)		n-Nitrosodimet...	0.657	0.700	0.842	0.883	0.891	0.886	0.894	0.822	12.21
5)	S	2-Fluorophenol	0.978	1.221	1.276	1.123	1.177	1.109	1.232	1.160	8.61
6)		Aniline	1.514	1.983	2.102	2.071	2.060	2.028	1.950	1.958	10.35
7)	S	Phenol-d6	1.611	1.813	1.665	1.549	1.579	1.627	1.484	1.618	6.41
8)		2-Chlorophenol	1.613	1.578	1.461	1.419	1.426	1.325	1.288	1.444	8.30
9)		Benzaldehyde		1.107	1.061	0.884	0.881	0.774		0.941	14.70
10)	C	Phenol	2.088	2.014	1.800	1.622	1.656	1.892	1.566	1.805	11.16
11)		bis(2-Chloroet...	1.757	1.724	1.583	1.476	1.452	1.416	1.518	1.561	8.56
12)		1,3-Dichlorobe...	1.704	1.680	1.585	1.464	1.483	1.500	1.458	1.553	6.68
13)	C	1,4-Dichlorobe...	1.822	1.774	1.665	1.471	1.539	1.480	1.468	1.603	9.39
14)		1,2-Dichlorobe...		1.746	1.552	1.481	1.491	1.403	1.148	1.470	13.31
15)		Benzyl Alcohol	0.814	1.058	1.092	1.101	1.109	1.039	0.953	1.024	10.44
16)		2,2'-oxybis(1-...	3.532	3.317	3.349	3.055	3.020	2.925	2.671	3.124	9.37
17)		2-Methylphenol	1.129	1.268	1.172	1.173	1.191	1.127	1.111	1.167	4.54
18)		Hexachloroethane	0.675	0.608	0.607	0.571	0.588	0.594	0.550	0.599	6.56
19)	P	n-Nitroso-di-n...	1.225	1.165	1.076	0.981	0.988	1.078	0.976	1.070	9.07
20)		3+4-Methylphenols	1.310	1.441	1.439	1.337	1.360	1.323	1.119	1.333	8.12
21)	I	Naphthalene-d8	----------ISTD----------								
22)		Acetophenone	0.412	0.465	0.475	0.435	0.443	0.437	0.403	0.439	5.93
23)	S	Nitrobenzene-d5	0.341	0.395	0.382	0.374	0.380	0.355	0.371	0.371	4.89
24)		Nitrobenzene	0.344	0.399	0.429	0.368	0.366	0.411	0.355	0.382	8.27
25)		Isophorone	0.740	0.693	0.750	0.705	0.708	0.711	0.690	0.714	3.20
26)	C	2-Nitrophenol		0.155	0.182	0.186	0.187	0.179	0.164	0.176	7.48
27)		2,4-Dimethylph...	0.294	0.316	0.307	0.320	0.323	0.315	0.282	0.308	4.90
28)		bis(2-Chloroet...	0.377	0.394	0.433	0.381	0.381	0.369	0.389	0.389	5.45
29)	C	2,4-Dichloroph...	0.215	0.266	0.286	0.262	0.267	0.262	0.263	0.260	8.39
30)		1,2,4-Trichlor...	0.321	0.322	0.309	0.295	0.290	0.292	0.283	0.302	5.18
31)		Naphthalene	1.156	1.177	1.089	0.919	0.917	0.951	0.915	1.018	11.64
32)		Benzoic acid		0.061	0.131	0.183	0.186	0.192	0.206	0.160	34.20
33)		4-Chloroaniline	0.329	0.386	0.417	0.396	0.404	0.380	0.356	0.381	7.86
34)	C	Hexachlorobuta...	0.178	0.172	0.181	0.168	0.171	0.165	0.149	0.169	6.37
35)		Caprolactam	0.061	0.082	0.089	0.091	0.092	0.095	0.096	0.087	13.98
36)	C	4-Chloro-3-met...	0.284	0.289	0.333	0.295	0.292	0.322	0.270	0.298	7.45
37)		2-Methylnaphth...	0.606	0.632	0.650	0.619	0.613	0.580	0.504	0.601	7.97

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38)	I	Acenaphthene-d10	----------ISTD----------							
39)		1,2,4,5-Tetrac...	0.628	0.668	0.573	0.522	0.515	0.555	0.546	0.572	9.81
40)	P	Hexachlorocycl...		0.269	0.278	0.274	0.287	0.294	0.305	0.284	4.75
41)	S	2,4,6-Tribromo...	0.189	0.236	0.219	0.217	0.221	0.203	0.192	0.211	8.00
42)	C	2,4,6-Trichlor...	0.307	0.395	0.392	0.355	0.365	0.361	0.358	0.362	8.07
43)		2,4,5-Trichlor...	0.399	0.408	0.388	0.394	0.405	0.396	0.371	0.394	3.15
44)	S	2-Fluorobiphenyl		1.495	1.349	1.112	1.137	1.027	0.970	1.182	16.98
45)		1,1'-Biphenyl	1.930	1.954	1.682	1.583	1.640	1.571	1.343	1.672	12.77
46)		2-Chloronaphth...	1.417	1.440	1.268	1.217	1.265	1.217	1.073	1.271	9.91
47)		2-Nitroaniline	0.328	0.414	0.431	0.420	0.424	0.405	0.431	0.408	8.92
48)		Acenaphthylene	2.429	2.285	2.002	1.900	1.957	1.779	1.556	1.987	14.84
49)		Dimethylphthalate	1.727	1.662	1.607	1.356	1.384	1.517	1.287	1.506	11.14
50)		2,6-Dinitrotol...	0.256	0.325	0.345	0.325	0.322	0.337	0.267	0.311	11.17
51)	C	Acenaphthene	1.494	1.462	1.293	1.228	1.261	1.131	1.064	1.276	12.43
52)		3-Nitroaniline	0.297	0.379	0.377	0.343	0.349	0.378	0.353	0.354	8.25
53)	P	2,4-Dinitrophenol		0.071	0.128	0.146	0.150	0.167	0.173	0.139	26.66
54)		Dibenzofuran	1.910	1.773	1.635	1.551	1.570	1.460	1.265	1.595	13.11
55)	P	4-Nitrophenol		0.191	0.227	0.233	0.236	0.261	0.241	0.232	9.99
56)		2,4-Dinitrotol...	0.330	0.426	0.423	0.426	0.427	0.388	0.355	0.397	10.13
57)		Fluorene	1.618	1.583	1.334	1.274	1.295	1.206		1.385	12.46
58)		2,3,4,6-Tetrac...	0.284	0.339	0.334	0.307	0.314	0.293	0.287	0.308	7.12
59)		Diethylphthalate	1.698	1.513	1.531	1.251	1.293	1.362	1.329	1.425	11.24
60)		4-Chlorophenyl...	0.720	0.731	0.688	0.539	0.560	0.535		0.629	14.92
61)		4-Nitroaniline	0.254	0.370	0.376	0.351	0.358	0.369	0.342	0.346	12.21
62)		Azobenzene	1.760	1.694	1.669	1.469	1.493	1.435	1.409	1.561	9.09
63)	I	Phenanthrene-d10	----------ISTD----------							
64)		4,6-Dinitro-2-...		0.091	0.110	0.122	0.118	0.145	0.118	0.117	14.89
65)	c	n-Nitrosodiphe...	0.674	0.668	0.604	0.651	0.642	0.587	0.549	0.625	7.43
66)		4-Bromophenyl-...	0.197	0.207	0.210	0.221	0.217	0.204	0.188	0.206	5.54
67)		Hexachlorobenzene	0.249	0.246	0.232	0.236	0.230	0.248	0.230	0.239	3.60
68)		Atrazine	0.191	0.212	0.190	0.190	0.190	0.168	0.174	0.188	7.60
69)	C	Pentachlorophenol		0.097	0.123	0.135	0.131	0.135	0.133	0.126	11.88
70)		Phenanthrene	1.128	1.132	1.017	1.060	1.039	1.055	0.917	1.050	6.96
71)		Anthracene	1.242	1.188	1.180	1.087	1.082	1.016	1.046	1.120	7.46
72)		Carbazole	1.015	1.028	0.980	1.021	1.023	0.997	0.886	0.993	5.05
73)		Di-n-butylphth...	1.072	1.188	1.242	1.194	1.162	1.060	0.955	1.125	8.87
74)	C	Fluoranthene	1.122	1.122	1.146	1.051	1.059	0.962	0.954	1.059	7.30
75)	I	Chrysene-d12	----------ISTD----------							
76)		Benzidine	0.613	0.787	0.787	0.714	0.720	0.616	0.572	0.687	12.68
77)		Pyrene	1.573	1.481	1.541	1.461	1.504	1.241	1.287	1.441	8.85
78)	S	Terphenyl-d14	1.018	0.993	0.985	0.858	0.901	0.763	0.837	0.908	10.44
79)		Butylbenzylpht...	0.522	0.625	0.639	0.622	0.658	0.652	0.651	0.624	7.55
80)		Benzo(a)anthra...	1.175	1.145	1.099	0.999	1.057	1.038	0.951	1.066	7.44
81)		3,3'-Dichlorob...	0.677	0.796	0.828	0.701	0.737	0.636	0.614	0.713	11.16
82)		Chrysene	1.302	1.291	1.287	1.115	1.203	0.930	0.985	1.159	13.22

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83)		Bis(2-ethylhex...	0.761	0.819	0.816	0.776	0.815	0.736	0.701	0.775	5.89
84)	c	Di-n-octyl pht...	1.002	1.196	1.365	1.240	1.356	1.215	1.119	1.213	10.54
85)		Indeno(1,2,3-c...	0.732	0.826	0.855	0.884	0.918	0.863	0.933	0.859	7.78
86)	I	Perylene-d12	----------ISTD----------								
87)		Benzo(b)fluora...	1.013	1.069	1.419	1.197	1.283	1.191	1.065	1.177	12.09
88)		Benzo(k)fluora...	1.478	1.453	1.072	1.125	1.115	1.167	1.181	1.227	13.59
89)	C	Benzo(a)pyrene	1.181	1.132	1.124	1.076	1.101	1.101	1.061	1.111	3.57
90)		Dibenzo(a,h)an...	0.759	0.845	0.854	0.964	0.969	0.949	1.023	0.909	10.13
91)		Benzo(g,h,i)pe...	0.803	0.816	0.819	0.965	0.961	0.956	1.057	0.911	10.80

(#) = Out of Range