Method Path : Z:\HPCHEM1\BNA_F\METHODS\
Method File : 8270-BF112116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Nov 22 10:25:16 2016
Response Via : Initial Calibration

Calibration Files
2.5 =BF091253.D 10 =BF091254.D 25 =BF091255.D 40 =BF091256.D 50 =BF091257.D 60 =BF091258.D 80 =BF091259.D

		Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane		0.566	0.594	0.532	0.529	0.522	0.537	0.547	5.09
3)		Pyridine		1.209	1.519	1.561	1.448	1.440	1.401	1.430	8.58
4)		n-Nitrosodimet...		0.595	0.791	0.805	0.824	0.809	0.805	0.772	11.28
5)	S	2-Fluorophenol		1.111	1.270	1.195	1.125	1.162	1.356	1.203	7.81
6)		Aniline	1.565	1.778	1.844	1.774	1.733	1.700	1.702	1.728	5.06
7)	S	Phenol-d6	1.330	1.627	1.456	1.478	1.364	1.456	1.358	1.439	7.04
8)		2-Chlorophenol	1.330	1.362	1.367	1.259	1.272	1.279	1.152	1.289	5.77
9)		Benzaldehyde	0.574	0.837	0.870	0.741	0.705	0.637	0.691	0.722	14.50
10)	C	Phenol	1.832	1.856	1.633	1.722	1.556	1.557	1.624	1.683	7.35
11)		bis(2-Chloroet...	1.176	1.351	1.413	1.292	1.349	1.308	1.291	1.311	5.62
12)		1,3-Dichlorobe...	1.480	1.408	1.435	1.415	1.390	1.379	1.302	1.401	3.92
13)	C	1,4-Dichlorobe...	1.498	1.520	1.531	1.450	1.467	1.425	1.357	1.464	4.14
14)		1,2-Dichlorobe...	1.558	1.412	1.429	1.292	1.193	1.104	1.113	1.300	13.34
15)		Benzyl Alcohol	0.890	1.143	1.244	1.168	1.206	1.138	1.122	1.130	10.08
16)		2,2'-oxybis(1-...	2.938	2.789	2.636	2.439	2.392	2.234	2.139	2.510	11.61
17)		2-Methylphenol	1.014	1.368	1.447	1.377	1.378	1.328	1.160	1.296	11.79
18)		Hexachloroethane	0.541	0.545	0.559	0.546	0.544	0.542	0.515	0.542	2.42
19)	P	n-Nitroso-di-n...	1.080	1.095	1.152	0.972	1.114	0.950	0.995	1.051	7.42
20)		3+4-Methylphenols	1.014	1.368	1.447	1.377	1.378	1.328	1.160	1.296	11.79
21)	I	Naphthalene-d8	----------ISTD----------								
22)		Acetophenone	0.499	0.524	0.488	0.467	0.456	0.446	0.456	0.477	5.91
23)	S	Nitrobenzene-d5	0.348	0.385	0.376	0.371	0.335	0.372	0.352	0.363	4.96
24)		Nitrobenzene	0.404	0.416	0.419	0.381	0.422	0.434	0.350	0.404	7.13
25)		Isophorone	0.807	0.721	0.667	0.674	0.627	0.655	0.638	0.684	9.05
26)	C	2-Nitrophenol	0.143	0.166	0.188	0.181	0.167	0.180	0.183	0.172	8.96
27)		2,4-Dimethylph...	0.282	0.272	0.294	0.275	0.246	0.258	0.276	0.272	5.87
28)		bis(2-Chloroet...	0.398	0.375	0.380	0.387	0.376	0.371	0.332	0.374	5.51
29)	C	2,4-Dichloroph...	0.250	0.278	0.291	0.288	0.279	0.261	0.246	0.270	6.76
30)		1,2,4-Trichlor...	0.317	0.326	0.310	0.296	0.281	0.297	0.289	0.302	5.30
31)		Naphthalene	1.072	1.004	1.005	0.936	0.844	0.852	0.828	0.934	10.26
32)		Benzoic acid	0.034	0.122	0.175	0.191	0.191	0.189	0.206	0.158	38.51
33)		4-Chloroaniline	0.371	0.376	0.380	0.383	0.371	0.388	0.380	0.378	1.66
34)	C	Hexachlorobuta...	0.189	0.178	0.178	0.174	0.171	0.187	0.176	0.179	3.69
35)		Caprolactam	0.071	0.080	0.084	0.074	0.073	0.081	0.070	0.076	7.28
36)	C	4-Chloro-3-met...	0.303	0.299	0.318	0.296	0.277	0.323	0.260	0.296	7.47
37)		2-Methylnaphth...	0.662	0.676	0.639	0.607	0.599	0.622	0.582	0.627	5.43

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38)	I	Acenaphthene-d10	----------ISTD----------								
39)		1,2,4,5-Tetrac...	0.627	0.622	0.591	0.533	0.521	0.518	0.535	0.564	8.51
40)	P	Hexachlorocycl...	0.008	0.062	0.124	0.155	0.180	0.167	0.180	0.125	52.78
41)	S	2,4,6-Tribromo...	0.181	0.190	0.193	0.175	0.174	0.197	0.196	0.187	5.26
42)	C	2,4,6-Trichlor...	0.363	0.332	0.349	0.346	0.351	0.343	0.319	0.343	4.11
43)		2,4,5-Trichlor...	0.386	0.386	0.354	0.344	0.361	0.357	0.328	0.360	5.91
44)	S	2-Fluorobiphenyl		1.377	1.240	1.213	1.121	1.005	0.915	1.145	14.61
45)		1,1'-Biphenyl	1.756	1.722	1.600	1.396	1.398	1.415	1.390	1.525	10.74
46)		2-Chloronaphth...	1.344	1.242	1.218	1.092	1.020	0.978	1.049	1.135	11.88
47)		2-Nitroaniline	0.363	0.420	0.431	0.422	0.477	0.454	0.382	0.421	9.35
48)		Acenaphthylene	1.947	1.833	1.872	1.672	1.582	1.507	1.543	1.708	10.26
49)		Dimethylphthalate	1.366	1.468	1.334	1.332	1.298	1.270	1.272	1.334	5.14
50)		2,6-Dinitrotol...	0.283	0.293	0.310	0.287	0.263	0.285	0.282	0.286	4.87
51)	C	Acenaphthene	1.207	1.137	1.143	1.038	0.957	0.938	0.993	1.059	9.83
52)		3-Nitroaniline	0.265	0.318	0.311	0.331	0.300	0.285	0.324	0.305	7.65
53)	P	2,4-Dinitrophenol		0.104	0.128	0.151	0.169	0.178		0.146	20.62
54)		Dibenzofuran	1.733	1.641	1.574	1.421	1.328	1.287	1.339	1.475	11.80
55)	P	4-Nitrophenol		0.045	0.117	0.136	0.151	0.143	0.148	0.123	32.52
56)		2,4-Dinitrotol...	0.319	0.412	0.373	0.336	0.389	0.387	0.305	0.360	11.15
57)		Fluorene	1.383	1.330	1.277	1.187	1.062	1.083	1.035	1.194	11.65
58)		2,3,4,6-Tetrac...	0.305	0.317	0.324	0.302	0.295	0.307	0.270	0.303	5.67
59)		Diethylphthalate	1.424	1.408	1.326	1.175	1.296	1.373	1.052	1.294	10.46
60)		4-Chlorophenyl...	0.629	0.609	0.554	0.526	0.546	0.578	0.482	0.561	8.94
61)		4-Nitroaniline		0.270	0.334	0.329	0.325	0.346	0.281	0.314	9.82
62)		Azobenzene	1.733	1.617	1.488	1.425	1.501	1.708	1.295	1.538	10.22
63)	I	Phenanthrene-d10	----------ISTD----------								
64)		4,6-Dinitro-2-...		0.104	0.142	0.127	0.134	0.129	0.129	0.128	9.90
65)	c	n-Nitrosodiphe...	0.648	0.681	0.652	0.585	0.627	0.537	0.489	0.603	11.47
66)		4-Bromophenyl-...	0.223	0.242	0.227	0.205	0.194	0.172	0.200	0.209	11.17
67)		Hexachlorobenzene	0.241	0.245	0.240	0.233	0.231	0.207	0.200	0.228	7.76
68)		Atrazine	0.207	0.205	0.212	0.164	0.129	0.091		0.168	29.50
69)	C	Pentachlorophenol		0.079	0.098	0.095	0.095	0.086	0.089	0.090	7.77
70)		Phenanthrene	1.223	1.211	1.101	0.962	0.989	0.958	0.914	1.051	12.07
71)		Anthracene	1.225	1.180	1.174	1.060	0.963	0.855	0.877	1.047	14.51
72)		Carbazole	1.035	1.128	1.084	0.927	0.864	0.786	0.894	0.960	13.04
73)		Di-n-butylphth...	1.189	1.246	1.307	1.186	1.203	0.939	0.923	1.142	13.16
74)	C	Fluoranthene	1.212	1.233	1.249	1.153	1.211	0.811		1.145	14.55
75)	I	Chrysene-d12	----------ISTD----------								
76)		Benzidine	0.369	0.419	0.489	0.501	0.468			0.449	12.14
77)		Pyrene	1.495	1.512	1.464	1.483	1.642	1.708	1.436	1.534	6.58
78)	S	Terphenyl-d14	0.904	0.873	0.943	0.870	0.857	0.843	0.886	0.882	3.75
79)		Butylbenzylpht...	0.496	0.589	0.689	0.678	0.715	0.716	0.627	0.644	12.47
80)		Benzo(a)anthra...	1.310	1.210	1.227	1.151	1.236	1.216	1.131	1.212	4.84
81)		3,3'-Dichlorob...	0.373	0.431	0.481	0.441	0.445	0.416	0.353	0.420	10.42
82)		Chrysene	1.300	1.246	1.259	1.255	1.314	1.267	1.077	1.246	6.29

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83)		Bis(2-ethylhex...	0.765	0.815	0.863	0.807	0.838	0.841	0.784	0.816	4.19
84)	c	Di-n-octyl pht...	1.209	1.374	1.708	1.395	1.607	1.410	1.304	1.429	12.05
85)		Indeno(1,2,3-c...	0.967	0.974	0.949	0.925	0.954	1.088	1.078	0.991	6.57
86)	I	Perylene-d12	----------ISTD----------								
87)		Benzo(b)fluora...	1.173	1.286	1.199	1.110	1.250	1.065	1.329	1.202	7.86
88)		Benzo(k)fluora...	1.408	1.217	1.151	1.108	1.281	1.122		1.214	9.44
89)	C	Benzo(a)pyrene	1.250	1.164	1.149	1.061	1.045	1.036	1.011	1.102	7.89
90)		Dibenzo(a,h)an...	0.903	0.923	0.767	0.911	0.921	0.987	0.948	0.908	7.54
91)		Benzo(g,h,i)pe...	0.925	0.910	0.768	0.926	0.944	1.045	0.980	0.928	9.06

(#) = Out of Range