

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF101316.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Oct 14 12:44:45 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF090548.D 10 =BF090549.D 25 =BF090550.D 40 =BF090551.D 50 =BF090552.D 60 =BF090553.D 80 =BF090554.D

Compound		2.5	10	25	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.657	0.589	0.623	0.628	0.617	0.623	0.615	0.622	3.22
3)	Pyridine	1.114	1.366	1.504	1.418	1.465	1.494	1.394		10.48
4)	n-Nitrosodimet...	0.280	0.408	0.490	0.467	0.494	0.557	0.449		21.37
5) S	2-Fluorophenol	0.884	1.110	1.174	1.160	1.121	1.097	1.091		9.67
6)	Aniline	1.764	2.039	2.020	1.954	1.982	1.996	1.959		5.11
7) S	Phenol-d6	1.301	1.686	1.785	1.721	1.639	1.651	1.564	1.621	9.69
8)	2-Chlorophenol	1.302	1.454	1.509	1.436	1.410	1.415	1.377	1.415	4.58
9)	Benzaldehyde	1.144	1.129	1.168	1.123	0.910	0.905	0.835	1.031	13.65
10) C	Phenol	1.418	1.931	2.099	1.983	1.945	1.893	1.709	1.854	12.14
11)	bis(2-Chloroet...	1.285	1.600	1.646	1.606	1.551	1.560	1.459	1.530	8.04
12)	1,3-Dichlorobe...	1.407	1.404	1.414	1.415	1.424	1.439	1.372	1.411	1.46
13) C	1,4-Dichlorobe...	1.585	1.561	1.540	1.523	1.478	1.545	1.508	1.534	2.29
14)	1,2-Dichlorobe...	1.462	1.476	1.538	1.496	1.386	1.397	1.286	1.434	5.89
15)	Benzyl Alcohol	0.978	1.136	1.214	1.046	1.168	1.084	1.104		7.77
16)	2,2'-oxybis(1-...	1.803	2.139	2.546	2.455	1.751	2.301	2.075	2.153	14.17
17)	2-Methylphenol	0.844	1.071	1.217	1.176	1.103	1.195	1.112	1.102	11.42
18)	Hexachloroethane	0.605	0.610	0.664	0.640	0.558	0.600	0.567	0.606	6.13
19) P	n-Nitroso-di-n...	0.997	1.078	1.318	1.185	1.028	1.081	1.093	1.112	9.74
20)	3+4-Methylphenols	1.207	1.472	1.435	1.264	1.393	1.249	1.336		8.26
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.415	0.457	0.488	0.463	0.419	0.439	0.411	0.442	6.57
23) S	Nitrobenzene-d5	0.343	0.372	0.396	0.384	0.329	0.352	0.345	0.360	6.71
24)	Nitrobenzene	0.320	0.362	0.421	0.387	0.338	0.392	0.366	0.370	9.24
25)	Isophorone	0.650	0.634	0.726	0.660	0.612	0.660	0.644	0.655	5.41
26) C	2-Nitrophenol	0.140	0.165	0.178	0.178	0.176	0.171	0.166	0.168	8.07
27)	2,4-Dimethylph...	0.280	0.261	0.279	0.278	0.273	0.299	0.277	0.278	4.08
28)	bis(2-Chloroet...	0.356	0.387	0.416	0.410	0.381	0.393	0.366	0.387	5.62
29) C	2,4-Dichloroph...	0.228	0.252	0.250	0.243	0.243	0.246	0.245	0.244	3.14
30)	1,2,4-Trichlor...	0.303	0.299	0.277	0.273	0.288	0.281	0.277	0.285	4.14
31)	Naphthalene	1.100	1.084	1.059	1.036	0.970	0.986	0.896	1.019	7.08
32)	Benzoic acid	0.130	0.174	0.178	0.179	0.180	0.184	0.171		11.95
33)	4-Chloroaniline	0.353	0.394	0.419	0.406	0.387	0.390	0.376	0.389	5.38
34) C	Hexachlorobuta...	0.171	0.171	0.162	0.154	0.164	0.150	0.144	0.159	6.54
35)	Caprolactam	0.051	0.071	0.073	0.074	0.068	0.070	0.069	0.068	11.15
36) C	4-Chloro-3-met...	0.252	0.286	0.314	0.288	0.273	0.292	0.264	0.281	7.22
37)	2-Methylnaphth...	0.613	0.657	0.648	0.593	0.572	0.563	0.544	0.598	7.18

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38)	I	Acenaphthene-d10	-----ISTD-----								
39)		1,2,4,5-Tetrac...	0.520	0.550	0.526	0.520	0.555	0.535	0.507	0.530	3.24
40)	P	Hexachlorocycl...		0.223	0.244	0.260	0.285	0.271	0.271	0.259	8.60
41)	S	2,4,6-Tribromo...	0.159	0.198	0.166	0.185	0.189	0.177	0.175	0.178	7.51
42)	C	2,4,6-Trichlor...	0.223	0.297	0.310	0.304	0.323	0.317	0.320	0.299	11.70
43)		2,4,5-Trichlor...	0.330	0.373	0.368	0.359	0.356	0.348	0.363	0.357	4.04
44)	S	2-Fluorobiphenyl	1.303	1.378	1.382	1.181	1.068	1.087	1.098	1.214	11.41
45)		1,1'-Biphenyl	1.578	1.653	1.696	1.566	1.400	1.398	1.362	1.522	8.82
46)		2-Chloronaphth...	1.151	1.237	1.256	1.151	1.024	1.037	1.086	1.135	8.04
47)		2-Nitroaniline		0.379	0.481	0.455	0.309	0.433	0.411	0.411	14.90
48)		Acenaphthylene	1.888	1.966	1.938	1.759	1.767	1.721	1.610	1.807	7.11
49)		Dimethylphthalate	1.363	1.386	1.435	1.206	1.280	1.278	1.135	1.298	8.13
50)		2,6-Dinitrotol...	0.253	0.308	0.291	0.285	0.297	0.281	0.272	0.284	6.19
51)	C	Acenaphthene	1.223	1.302	1.246	1.171	1.213	1.177	1.076	1.201	5.89
52)		3-Nitroaniline	0.325	0.361	0.379	0.371	0.361	0.349	0.348	0.356	4.95
53)	P	2,4-Dinitrophenol		0.093	0.121	0.135	0.150	0.151	0.154	0.134	17.64
54)		Dibenzofuran	1.725	1.684	1.649	1.571	1.541	1.495	1.395	1.580	7.29
55)	P	4-Nitrophenol		0.162	0.221	0.222	0.226	0.226	0.230	0.214	12.10
56)		2,4-Dinitrotol...	0.342	0.403	0.402	0.407	0.383	0.363	0.401	0.386	6.42
57)		Fluorene	1.340	1.426	1.379	1.287	1.295	1.253	1.144	1.303	7.04
58)		2,3,4,6-Tetrac...	0.302	0.326	0.302	0.312	0.295	0.268	0.276	0.297	6.77
59)		Diethylphthalate	1.264	1.451	1.419	1.300	1.304	1.304	1.170	1.316	7.17
60)		4-Chlorophenyl...	0.617	0.666	0.642	0.632	0.615	0.583	0.546	0.614	6.45
61)		4-Nitroaniline	0.296	0.363	0.392	0.370	0.367	0.362	0.350	0.357	8.33
62)		Azobenzene	1.352	1.415	1.828	1.597	1.574	1.501	1.388	1.522	10.76
63)	I	Phenanthrene-d10	-----ISTD-----								
64)		4,6-Dinitro-2-...		0.092	0.114	0.124	0.132	0.123	0.141	0.121	14.04
65)	c	n-Nitrosodiphe...	0.674	0.668	0.707	0.650	0.657	0.660	0.608	0.661	4.46
66)		4-Bromophenyl-...	0.194	0.218	0.207	0.229	0.224	0.221	0.209	0.215	5.70
67)		Hexachlorobenzene	0.219	0.244	0.220	0.227	0.243	0.239	0.240	0.233	4.67
68)		Atrazine	0.171	0.188	0.189	0.179	0.194	0.192	0.166	0.183	5.91
69)	C	Pentachlorophenol		0.095	0.106	0.120	0.118	0.121	0.132	0.115	11.36
70)		Phenanthrene	1.102	1.088	1.149	1.101	1.056	1.032	0.946	1.068	6.12
71)		Anthracene	1.216	1.229	1.207	1.092	1.112	1.110	1.076	1.149	5.70
72)		Carbazole	1.062	1.080	1.099	1.037	0.997	0.984	0.941	1.029	5.51
73)		Di-n-butylphth...	1.201	1.244	1.300	1.248	1.186	1.196	1.060	1.205	6.26
74)	C	Fluoranthene	1.109	1.086	1.098	1.137	1.080	1.049	0.958	1.074	5.39
75)	I	Chrysene-d12	-----ISTD-----								
76)		Benzidine	0.377	0.517	0.534	0.561	0.546	0.486	0.463	0.498	12.73
77)		Pyrene	1.438	1.385	1.366	1.339	1.300	1.226	1.219	1.325	6.15
78)	S	Terphenyl-d14	0.927	0.954	0.875	0.864	0.866	0.803	0.724	0.859	8.93
79)		Butylbenzylphth...	0.513	0.580	0.638	0.600	0.592	0.605	0.579	0.587	6.48
80)		Benzo(a)anthra...	1.198	1.180	1.177	1.182	1.100	1.074	1.059	1.139	5.14
81)		3,3'-Dichlorob...	0.372	0.420	0.406	0.413	0.402	0.363	0.346	0.389	7.25
82)		Chrysene	1.206	1.207	1.176	1.008	0.987	1.027	1.067	1.097	8.81

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83)	Bis(2-ethylhex...	0.737	0.812	0.896	0.797	0.766	0.792	0.741	0.792	6.83
84) c	Di-n-octyl pht...	0.972	1.066	1.183	1.037	1.036	1.066	1.070	1.062	5.98
85)	Indeno(1,2,3-c...	0.643	0.605	0.581	0.630	0.674	0.629	0.678	0.634	5.50
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.093	1.222	1.263	1.483	1.374	1.409	1.319	1.309	9.91
88)	Benzo(k)fluora...	1.435	1.486	1.597	1.266	1.250	1.402	1.422	1.408	8.59
89) C	Benzo(a)pyrene	1.162	1.198	1.213	1.196	1.186	1.233	1.199	1.198	1.84
90)	Dibenzo(a,h)an...	0.749	0.779	0.832	0.932	0.981	1.054	1.070	0.914	14.20
91)	Benzo(g,h,i)pe...	0.714	0.763	0.783	0.893	0.956	0.979	1.011	0.871	13.51

(#) = Out of Range