

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF081117.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Aug 11 15:55:57 2017
 Response Via : Initial Calibration

Calibration Files

2.5 =BF097590.D 10 =BF097591.D 25 =BF097592.D 40 =BF097593.D 50 =BF097594.D 60 =BF097595.D 80 =BF097596.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.600	0.530	0.595	0.512	0.567	0.538	0.479	0.546	8.10
3)	Pyridine	1.253	1.622	1.783	1.719	1.646	1.595	1.531	1.593	10.73
4)	n-Nitrosodimet...	0.789	0.804	1.050	0.957	0.954	0.972	0.943	0.924	10.18
5) S	2-Fluorophenol	0.878	1.322	1.405	1.350	1.314	1.327	1.210	1.258	14.09
6)	Aniline	2.218	2.560	2.322	2.161	2.156	2.159	2.127	2.243	6.86
7) S	Phenol-d6	1.452	1.815	1.637	1.529	1.520	1.513	1.461	1.561	8.15
8)	2-Chlorophenol	1.462	1.542	1.517	1.435	1.415	1.388	1.338	1.442	4.94
9)	Benzaldehyde	1.008	1.214	1.111	1.026	0.955	0.938	0.952	1.029	9.81
10) C	Phenol	1.513	2.046	1.908	1.828	1.594	1.558	1.515	1.709	12.62
11)	bis(2-Chloroet...	1.386	1.702	1.456	1.347	1.292	1.246	1.166	1.371	12.68
12)	1,3-Dichlorobe...	1.704	1.728	1.668	1.591	1.578	1.540	1.499	1.615	5.33
13) C	1,4-Dichlorobe...	1.780	1.755	1.707	1.607	1.617	1.535	1.508	1.644	6.44
14)	1,2-Dichlorobe...	1.629	1.626	1.645	1.464	1.480	1.328	1.331	1.500	9.16
15)	Benzyl Alcohol	0.760	1.155	1.200	1.117	1.138	1.112	1.068	1.079	13.56
16)	2,2'-oxybis(1-...	3.303	3.274	3.219	2.994	2.980	3.003	2.771	3.078	6.30
17)	2-Methylphenol	1.186	1.186	1.176	1.087	1.085	1.089	1.016	1.118	5.89
18)	Hexachloroethane	0.633	0.609	0.602	0.547	0.544	0.529	0.474	0.563	9.81
19) P	n-Nitroso-di-n...	1.035	1.149	1.148	1.100	1.094	1.074	1.001	1.086	5.04
20)	3+4-Methylphenols	1.190	1.506	1.506	1.401	1.413	1.348	1.219	1.369	9.21
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.502	0.500	0.489	0.473	0.472	0.441	0.430	0.472	5.94
23) S	Nitrobenzene-d5	0.331	0.358	0.339	0.329	0.326	0.278	0.272	0.319	10.04
24)	Nitrobenzene	0.387	0.365	0.367	0.362	0.357	0.301	0.295	0.348	10.09
25)	Isophorone	0.600	0.628	0.599	0.605	0.595	0.559	0.527	0.588	5.74
26) C	2-Nitrophenol	0.141	0.187	0.188	0.185	0.188	0.172	0.171	0.176	9.68
27)	2,4-Dimethylph...	0.303	0.327	0.312	0.299	0.298	0.258	0.255	0.293	9.14
28)	bis(2-Chloroet...	0.462	0.456	0.444	0.438	0.424	0.383	0.365	0.425	8.75
29) C	2,4-Dichloroph...	0.258	0.258	0.266	0.263	0.265	0.255	0.245	0.259	2.79
30)	1,2,4-Trichlor...	0.275	0.282	0.278	0.259	0.260	0.224	0.217	0.256	10.14
31)	Naphthalene	1.101	1.109	1.044	0.986	0.969	0.915	0.889	1.002	8.62
32)	Benzoic acid		0.107	0.142	0.179	0.177	0.165	0.178	0.158	18.17
33)	4-Chloroaniline	0.438	0.451	0.415	0.426	0.407	0.389	0.379	0.415	6.22
34) C	Hexachlorobuta...	0.140	0.156	0.152	0.139	0.139	0.130	0.124	0.140	7.98
35)	Caprolactam		0.084	0.080	0.086	0.086	0.079	0.085	0.083	3.63
36) C	4-Chloro-3-met...	0.290	0.281	0.326	0.308	0.294	0.258	0.276	0.290	7.63
37)	2-Methylnaphth...	0.723	0.660	0.699	0.635	0.601	0.544	0.550	0.630	11.03

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.576	0.597	0.604	0.571	0.581	0.537	0.498	0.566	6.54
40) P	Hexachlorocycl...		0.008	0.045	0.077	0.089	0.100	0.112	0.072	53.81
41) S	2,4,6-Tribromo...	0.144	0.169	0.163	0.153	0.153	0.144	0.139	0.152	7.02
42) C	2,4,6-Trichlor...	0.357	0.393	0.392	0.391	0.388	0.346	0.345	0.373	6.04
43)	2,4,5-Trichlor...	0.335	0.384	0.378	0.385	0.310	0.348	0.327	0.352	8.53
44) S	2-Fluorobiphenyl	1.595	1.512	1.383	1.304	1.273	1.154	1.057	1.325	14.30
45)	1,1'-Biphenyl	1.979	1.966	1.836	1.701	1.708	1.443	1.379	1.716	13.76
46)	2-Chloronaphth...	1.539	1.474	1.391	1.304	1.282	1.132	1.101	1.317	12.46
47)	2-Nitroaniline	0.473	0.522	0.548	0.574	0.536	0.471	0.488	0.516	7.70
48)	Acenaphthylene	2.255	2.274	2.182	2.091	2.098	1.931	1.830	2.094	7.86
49)	Dimethylphthalate	1.628	1.593	1.564	1.531	1.577	1.479	1.418	1.541	4.67
50)	2,6-Dinitrotol...	0.303	0.336	0.335	0.327	0.329	0.303	0.295	0.318	5.44
51) C	Acenaphthene	1.412	1.360	1.291	1.229	1.229	1.164	1.102	1.255	8.60
52)	3-Nitroaniline	0.391	0.437	0.427	0.426	0.424	0.408	0.403	0.417	3.89
53) P	2,4-Dinitrophenol		0.088	0.145	0.120	0.145	0.131	0.159	0.131	19.14
54)	Dibenzofuran	1.908	1.942	1.804	1.734	1.722	1.628	1.563	1.757	7.89
55) P	4-Nitrophenol		0.106	0.151	0.160	0.190	0.171	0.175	0.159	18.25
56)	2,4-Dinitrotol...	0.343	0.455	0.445	0.443	0.444	0.429	0.416	0.425	9.02
57)	Fluorene	1.642	1.604	1.455	1.434	1.388	1.328	1.265	1.445	9.52
58)	2,3,4,6-Tetrac...	0.181	0.220	0.262	0.258	0.267	0.262	0.244	0.242	13.04
59)	Diethylphthalate	1.573	1.558	1.478	1.450	1.419	1.367	1.346	1.456	6.02
60)	4-Chlorophenyl...	0.691	0.681	0.646	0.609	0.578	0.568	0.546	0.617	9.25
61)	4-Nitroaniline	0.387	0.415	0.416	0.420	0.372	0.382	0.390	0.398	4.81
62)	Azobenzene	1.553	1.517	1.469	1.458	1.429	1.362	1.351	1.448	5.16
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.096	0.117	0.130	0.131	0.131	0.128	0.122	11.39
65) c	n-Nitrosodiphe...	0.795	0.807	0.753	0.717	0.747	0.691	0.664	0.739	7.08
66)	4-Bromophenyl-...	0.208	0.230	0.215	0.204	0.213	0.196	0.186	0.207	6.82
67)	Hexachlorobenzene	0.236	0.246	0.232	0.222	0.231	0.212	0.204	0.226	6.36
68)	Atrazine	0.180	0.201	0.193	0.187	0.188	0.177	0.172	0.185	5.27
69) C	Pentachlorophenol		0.013	0.034	0.043	0.047	0.042	0.043	0.037	34.14#
70)	Phenanthrene	1.311	1.282	1.198	1.116	1.148	1.027	0.981	1.152	10.65
71)	Anthracene	1.332	1.319	1.233	1.137	1.176	1.045	1.010	1.179	10.64
72)	Carbazole	1.240	1.251	1.163	1.092	1.140	1.004	0.964	1.122	9.79
73)	Di-n-butylphth...	1.405	1.447	1.349	1.309	1.371	1.133	1.180	1.313	8.85
74) C	Fluoranthene	1.208	1.252	1.141	1.090	0.886	0.783	0.926	1.041	17.02
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine		0.697	0.880	0.659	0.589	0.524	0.607	0.659	18.72
77)	Pyrene	2.008	1.515	1.986	1.526	1.510	1.450	1.582	1.654	14.36
78) S	Terphenyl-d14	1.243	0.933	1.112	0.836	0.895	0.842	0.903	0.966	15.84
79)	Butylbenzylphth...	0.557	0.645	0.820	0.728	0.693	0.680	0.717	0.691	11.65
80)	Benzo(a)anthra...	1.231	1.243	1.175	1.140	1.158	1.108	1.121	1.168	4.46
81)	3,3'-Dichlorob...	0.434	0.451	0.429	0.402	0.393	0.365	0.346	0.403	9.44
82)	Chrysene	1.218	1.257	1.181	1.163	1.116	1.099	1.099	1.162	5.29

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83)	Bis(2-ethylhex...	0.844	1.012	0.962	1.034	1.045	1.001	0.985	0.983	6.85
84) c	Di-n-octyl pht...	1.351	1.727	1.600	1.658	2.140	2.053	1.493	1.717	16.70
85)	Indeno(1,2,3-c...	1.117	0.896	0.798	0.711	0.978	0.725	1.101	0.904	18.64
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.217	1.315	1.251	1.167	1.123	1.161	1.174	1.201	5.42
88)	Benzo(k)fluora...	1.266	1.301	1.227	1.222	1.205	1.102	1.144	1.210	5.63
89) C	Benzo(a)pyrene	1.158	1.207	1.137	1.079	1.063	1.002	1.071	1.102	6.23
90)	Dibenzo(a,h)an...		0.907	0.816	0.764	0.840	0.619		0.789	13.71
91)	Benzo(g,h,i)pe...	1.161	0.840	0.807	0.800	0.927	0.661		0.866	19.41

(#) = Out of Range