

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF091117.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Sep 12 02:14:50 2017
 Response Via : Initial Calibration

Calibration Files

2.5 =BF098403.D 10 =BF098404.D 25 =BF098405.D 40 =BF098406.D 50 =BF098407.D 60 =BF098408.D 80 =BF098409.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.694	0.693	0.698	0.709	0.698	0.706	0.689	0.698	1.02
3)	Pyridine	1.604	1.789	1.954	1.921	1.861	1.931	1.920	1.854	6.66
4)	n-Nitrosodimet...	0.698	0.855	0.969	0.961	0.970	0.961	0.949	0.909	11.16
5) S	2-Fluorophenol	1.366	1.405	1.438	1.378	1.337	1.301	1.244	1.353	4.82
6)	Aniline	2.492	2.346	2.292	2.087	2.012	1.978	1.875	2.155	10.45
7) S	Phenol-d6	1.945	1.857	1.810	1.681	1.632	1.594	1.502	1.717	9.21
8)	2-Chlorophenol	1.592	1.546	1.561	1.493	1.446	1.422	1.353	1.487	5.75
9)	Benzaldehyde	1.221	1.199	1.175	1.124	1.090	1.047	1.003	1.123	7.21
10) C	Phenol	2.266	2.171	2.098	1.940	1.903	1.838	1.748	1.995	9.43
11)	bis(2-Chloroet...	1.593	1.528	1.551	1.510	1.480	1.462	1.405	1.504	4.10
12)	1,3-Dichlorobe...	1.627	1.575	1.555	1.477	1.447	1.425	1.374	1.497	6.08
13) C	1,4-Dichlorobe...	1.723	1.606	1.586	1.520	1.467	1.445	1.388	1.534	7.42
14)	1,2-Dichlorobe...	1.597	1.531	1.481	1.364	1.327	1.285	1.195	1.397	10.29
15)	Benzyl Alcohol	1.353	1.294	1.233	1.093	1.067	1.025	0.936	1.143	13.36
16)	2,2'-oxybis(1-...	2.866	2.686	2.618	2.442	2.343	2.264	2.105	2.475	10.66
17)	2-Methylphenol	1.326	1.273	1.241	1.212	1.179	1.147	1.111	1.213	6.11
18)	Hexachloroethane	0.606	0.612	0.608	0.593	0.580	0.566	0.545	0.587	4.25
19) P	n-Nitroso-di-n...	1.249	1.203	1.137	1.039	1.010	0.981	0.943	1.080	10.83
20)	3+4-Methylphenols	1.755	1.719	1.676	1.501	1.439	1.368	1.256	1.531	12.45
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.592	0.572	0.530	0.495	0.487	0.485	0.457	0.517	9.64
23) S	Nitrobenzene-d5	0.370	0.381	0.370	0.355	0.349	0.352	0.334	0.359	4.44
24)	Nitrobenzene	0.436	0.439	0.422	0.404	0.394	0.394	0.373	0.409	5.95
25)	Isophorone	0.772	0.750	0.731	0.710	0.709	0.708	0.701	0.726	3.65
26) C	2-Nitrophenol	0.124	0.157	0.172	0.175	0.176	0.178	0.173	0.165	11.85
27)	2,4-Dimethylph...	0.348	0.333	0.320	0.306	0.303	0.303	0.289	0.315	6.47
28)	bis(2-Chloroet...	0.475	0.471	0.447	0.439	0.433	0.426	0.409	0.443	5.33
29) C	2,4-Dichloroph...	0.251	0.278	0.278	0.265	0.261	0.256	0.242	0.262	5.08
30)	1,2,4-Trichlor...	0.315	0.305	0.292	0.278	0.273	0.271	0.258	0.285	7.14
31)	Naphthalene	1.184	1.089	1.017	0.948	0.925	0.912	0.845	0.989	11.76
32)	Benzoic acid		0.085	0.165	0.198	0.213	0.214	0.232	0.185	29.04
33)	4-Chloroaniline	0.434	0.436	0.418	0.398	0.387	0.379	0.361	0.402	7.14
34) C	Hexachlorobuta...	0.164	0.155	0.151	0.143	0.140	0.138	0.131	0.146	7.73
35)	Caprolactam	0.083	0.089	0.092	0.087	0.092	0.091	0.098	0.090	5.11
36) C	4-Chloro-3-met...	0.336	0.342	0.340	0.321	0.318	0.314	0.301	0.324	4.71
37)	2-Methylnaphth...	0.690	0.652	0.615	0.582	0.570	0.560	0.525	0.599	9.52

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.706	0.667	0.646	0.605	0.591	0.589	0.559	0.623	8.29
40) P	Hexachlorocycl...		0.056	0.116	0.150	0.162	0.171	0.188	0.140	34.04
41) S	2,4,6-Tribromo...	0.112	0.134	0.142	0.137	0.139	0.136	0.135	0.133	7.47
42) C	2,4,6-Trichlor...	0.318	0.374	0.386	0.379	0.373	0.372	0.360	0.366	6.12
43)	2,4,5-Trichlor...	0.364	0.378	0.406	0.392	0.385	0.384	0.368	0.382	3.74
44) S	2-Fluorobiphenyl		1.414	1.288	1.172	1.101	1.091	1.015	1.180	12.43
45)	1,1'-Biphenyl	2.137	1.984	1.860	1.723	1.667	1.637	1.524	1.790	12.00
46)	2-Chloronaphth...	1.478	1.372	1.317	1.243	1.208	1.199	1.133	1.278	9.25
47)	2-Nitroaniline	0.428	0.501	0.524	0.497	0.499	0.501	0.485	0.491	6.10
48)	Acenaphthylene	2.217	2.116	2.014	1.832	1.776	1.741	1.609	1.901	11.56
49)	Dimethylphthalate	1.739	1.642	1.575	1.490	1.484	1.476	1.431	1.548	7.10
50)	2,6-Dinitrotol...	0.292	0.324	0.334	0.325	0.316	0.322	0.312	0.318	4.20
51) C	Acenaphthene	1.456	1.316	1.240	1.147	1.135	1.114	1.051	1.208	11.55
52)	3-Nitroaniline	0.369	0.396	0.404	0.388	0.381	0.380	0.368	0.384	3.47
53) P	2,4-Dinitrophenol		0.060	0.102	0.124	0.139	0.147	0.152	0.121	28.71
54)	Dibenzofuran	1.979	1.799	1.674	1.503	1.444	1.426	1.319	1.592	14.75
55) P	4-Nitrophenol		0.173	0.220	0.225	0.232	0.235	0.238	0.221	10.92
56)	2,4-Dinitrotol...	0.364	0.428	0.430	0.382	0.378	0.374	0.350	0.387	7.97
57)	Fluorene	1.610	1.512	1.388	1.242	1.197	1.175	1.099	1.318	14.41
58)	2,3,4,6-Tetrac...	0.224	0.246	0.269	0.268	0.262	0.267	0.263	0.257	6.35
59)	Diethylphthalate	1.668	1.606	1.550	1.411	1.393	1.369	1.310	1.472	9.16
60)	4-Chlorophenyl...	0.743	0.688	0.641	0.576	0.556	0.547	0.509	0.609	13.88
61)	4-Nitroaniline	0.370	0.398	0.410	0.387	0.389	0.385	0.375	0.388	3.52
62)	Azobenzene	1.848	1.753	1.666	1.534	1.493	1.451	1.363	1.587	10.98
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.078	0.110	0.116	0.123	0.126	0.129	0.114	16.70
65) c	n-Nitrosodiphe...	0.733	0.704	0.669	0.629	0.613	0.609	0.590	0.649	8.25
66)	4-Bromophenyl-...	0.206	0.198	0.196	0.189	0.182	0.181	0.177	0.190	5.54
67)	Hexachlorobenzene	0.212	0.202	0.196	0.187	0.183	0.185	0.181	0.193	6.01
68)	Atrazine	0.215	0.218	0.210	0.194	0.190	0.189	0.183	0.200	7.14
69) C	Pentachlorophenol		0.040	0.066	0.076	0.078	0.083	0.086	0.071	23.86
70)	Phenanthrene	1.258	1.171	1.108	1.011	0.977	0.979	0.918	1.060	11.54
71)	Anthracene	1.279	1.201	1.142	1.053	1.008	0.995	0.943	1.089	11.22
72)	Carbazole	1.186	1.132	1.060	0.966	0.944	0.940	0.875	1.015	11.20
73)	Di-n-butylphth...	1.314	1.348	1.292	1.197	1.156	1.122	1.081	1.216	8.48
74) C	Fluoranthene	1.231	1.160	1.118	1.023	0.994	0.977	0.927	1.061	10.40
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine		0.971	0.943	0.884	0.845	0.852	0.815	0.885	6.86
77)	Pyrene	1.666	1.623	1.584	1.540	1.518	1.563	1.551	1.578	3.26
78) S	Terphenyl-d14	1.056	0.996	0.932	0.881	0.871	0.890	0.860	0.927	7.94
79)	Butylbenzylphth...	0.579	0.686	0.717	0.713	0.697	0.705	0.694	0.684	6.99
80)	Benzo(a)anthra...	1.355	1.268	1.179	1.120	1.107	1.108	1.071	1.173	8.81
81)	3,3'-Dichlorob...	0.459	0.490	0.481	0.462	0.446	0.437	0.416	0.456	5.57
82)	Chrysene	1.343	1.258	1.204	1.161	1.117	1.113	1.100	1.185	7.57

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83)	Bis(2-ethylhex...	0.895	0.928	0.901	0.864	0.831	0.809	0.785	0.859	6.10
84) c	Di-n-octyl pht...	1.392	1.547	1.552	1.557	1.470	1.413	1.386	1.474	5.29
85)	Indeno(1,2,3-c...	0.985	0.927	0.816	0.782	0.744	0.767	0.800	0.832	10.79
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.259	1.235	1.296	1.208	1.295	1.292	1.218	1.258	3.03
88)	Benzo(k)fluora...	1.309	1.289	1.183	1.205	1.069	1.084	1.079	1.174	8.55
89) C	Benzo(a)pyrene	1.186	1.152	1.157	1.120	1.088	1.086	1.053	1.120	4.22
90)	Dibenzo(a,h)an...	0.881	0.862	0.798	0.774	0.765	0.803	0.822	0.815	5.30
91)	Benzo(g,h,i)pe...	0.880	0.848	0.790	0.764	0.763	0.831	0.862	0.820	5.79

(#) = Out of Range