

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF041516.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Apr 15 15:56:31 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF086216.D 10 =BF086210.D 25 =BF086211.D 40 =BF086212.D 50 =BF086213.D 60 =BF086214.D 80 =BF086215.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.788	0.717	0.672	0.649	0.631	0.643	0.612	0.673	9.03
3)	Pyridine	1.613	1.920	1.851	1.819	1.598	1.804	1.684	1.756	7.07
4)	n-Nitrosodimet...	0.667	0.631	0.617	0.620	0.625	0.640	0.638	0.634	2.65
5) S	2-Fluorophenol	1.530	1.437	1.373	1.108	1.021	1.032	1.045	1.221	17.84
6)	Aniline	2.525	2.372	2.322	2.161	2.049	2.062	1.914	2.201	9.72
7) S	Phenol-d6	2.040	1.764	1.534	1.484	1.343	1.293	1.230	1.527	18.86
8)	2-Chlorophenol	1.674	1.662	1.448	1.322	1.278	1.250	1.032	1.381	16.79
9)	Benzaldehyde	1.163	1.174	1.167	1.106	1.036	0.997	0.939	1.083	8.65
10) C	Phenol	2.240	2.068	1.818	1.893	1.715	1.466	1.527	1.818	15.31
11)	bis(2-Chloroet...	1.569	1.572	1.451	1.293	1.345	1.322	1.023	1.368	13.87
12)	1,3-Dichlorobe...	1.836	1.709	1.488	1.355	1.329	1.342	1.197	1.465	15.63
13) C	1,4-Dichlorobe...	1.772	1.545	1.335	1.238	1.276	1.209	1.396	1.576	15.76
14)	1,2-Dichlorobe...	1.549	1.373	1.255	1.173	1.154	0.929	1.239	1.699	16.99
15)	Benzyl Alcohol	1.231	1.198	1.163	1.125	0.999	0.941	0.924	1.083	11.67
16)	2,2'-oxybis(1-...	2.344	2.204	2.130	2.134	2.096	2.090	1.922	2.131	5.97
17)	2-Methylphenol	1.211	1.327	1.156	1.147	1.110	1.106	0.997	1.151	8.83
18)	Hexachloroethane	0.591	0.590	0.570	0.530	0.498	0.479	0.427	0.527	11.83
19) P	n-Nitroso-di-n...	1.194	1.070	1.045	0.840	0.920	0.921	0.849	0.977	13.33
20)	3+4-Methylphenols	1.607	1.479	1.152	1.091	1.115		1.289	18.44	
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.571	0.548	0.410	0.405	0.364	0.327	0.322	0.421	23.91
23) S	Nitrobenzene-d5	0.404	0.367	0.388	0.327	0.326	0.336	0.278	0.347	12.41
24)	Nitrobenzene	0.421	0.442	0.365	0.402	0.364	0.330	0.330	0.379	11.49
25)	Isophorone	0.789	0.744	0.719	0.652	0.646	0.644	0.622	0.688	9.14
26) C	2-Nitrophenol	0.143	0.172	0.164	0.165	0.173	0.179	0.160	0.165	7.06
27)	2,4-Dimethylph...	0.412	0.375	0.330	0.333	0.315	0.306	0.266	0.334	14.25
28)	bis(2-Chloroet...	0.506	0.491	0.403	0.367	0.381	0.373	0.311	0.405	17.34
29) C	2,4-Dichloroph...	0.272	0.293	0.271	0.241	0.240	0.243	0.217	0.254	10.23
30)	1,2,4-Trichlor...	0.335	0.322	0.285	0.248	0.230	0.227	0.212	0.266	18.39
31)	Naphthalene	1.186	1.002	0.850	0.806	0.777	0.738	0.893	19.08	
32)	Benzoic acid	0.188	0.210	0.219	0.230	0.191	0.243	0.213	10.15	
33)	4-Chloroaniline	0.462	0.488	0.432	0.362	0.350	0.352	0.349	0.399	14.95
34) C	Hexachlorobuta...	0.159	0.159	0.146	0.130	0.120	0.118	0.100	0.133	16.80
35)	Caprolactam	0.084	0.093	0.091	0.094	0.097	0.090	0.094	0.092	4.57
36) C	4-Chloro-3-met...	0.330	0.348	0.312	0.299	0.261	0.254	0.254	0.294	13.11
37)	2-Methylnaphth...	0.721	0.663	0.611	0.571	0.538	0.520	0.418	0.577	17.24

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38)	I	Acenaphthene-d10	-----ISTD-----							
39)		1,2,4,5-Tetrac...	0.629	0.523	0.437	0.408	0.396	0.392	0.464	20.34
40)	P	Hexachlorocycl...	0.264	0.255	0.238	0.226	0.225	0.217	0.226	7.44
41)	S	2,4,6-Tribromo...	0.206	0.197	0.160	0.152	0.152	0.143	0.115	19.60
42)	C	2,4,6-Trichlor...	0.464	0.438	0.393	0.376	0.369	0.360	0.359	10.43
43)		2,4,5-Trichlor...	0.440	0.420	0.391	0.382	0.379	0.358	0.295	12.26
44)	S	2-Fluorobiphenyl	1.424	1.080	1.051	0.963	0.902		1.084	18.73
45)		1,1'-Biphenyl	1.954	1.531	1.321	1.331	1.329	1.172	1.440	19.22
46)		2-Chloronaphth...	1.545	1.228	1.097	1.101	1.099	0.982	1.175	16.77
47)		2-Nitroaniline	0.319	0.395	0.413	0.360	0.376	0.394	0.410	8.70
48)		Acenaphthylene	2.385	2.013	1.912	1.816	1.721	1.376	1.870	17.84
49)		Dimethylphthalate	1.767	1.808	1.419	1.422	1.288	1.198	1.278	16.60
50)		2,6-Dinitrotol...	0.321	0.372	0.310	0.336	0.324	0.299	0.291	8.38
51)	C	Acenaphthene	1.382	1.209	1.133	1.068	1.017	0.895	1.117	15.01
52)		3-Nitroaniline	0.431	0.393	0.443	0.342	0.396	0.407	0.324	11.20
53)	P	2,4-Dinitrophenol	0.065	0.099	0.121	0.118	0.113		0.103	22.00
54)		Dibenzofuran	1.883	1.593	1.491	1.452	1.357	1.078	1.476	17.99
55)	P	4-Nitrophenol	0.267	0.347	0.335	0.294	0.304	0.322	0.272	9.97
56)		2,4-Dinitrotol...	0.361	0.460	0.398	0.427	0.437	0.394	0.407	7.84
57)		Fluorene	1.858	1.407	1.091	1.025	1.014	0.970	1.227	28.25
58)		2,3,4,6-Tetrac...	0.340	0.326	0.270	0.259	0.265	0.257	0.218	15.34
59)		Diethylphthalate	2.000	1.716	1.583	1.384	1.320	1.266	1.238	18.71
60)		4-Chlorophenyl...	0.807	0.639	0.519	0.434	0.398	0.379	0.364	32.46
61)		4-Nitroaniline	0.381	0.324	0.347	0.363	0.324	0.303	0.323	8.03
62)		Azobenzene	1.667	1.556	1.663	1.469	1.362	1.314	1.251	11.37
63)	I	Phenanthrene-d10	-----ISTD-----							
64)		4,6-Dinitro-2-...	0.076	0.095	0.101	0.100	0.106	0.093	0.095	10.79
65)	c	n-Nitrosodiphe...	0.756	0.738	0.632	0.560	0.570	0.581	0.450	17.43
66)		4-Bromophenyl-...	0.230	0.222	0.208	0.181	0.166	0.159	0.138	18.54
67)		Hexachlorobenzene	0.252	0.209	0.186	0.183	0.187	0.155	0.195	16.69
68)		Atrazine	0.201	0.221	0.195	0.180	0.190	0.184	0.143	12.73
69)	C	Pentachlorophenol	0.100	0.127	0.137	0.126	0.120	0.116	0.102	11.28
70)		Phenanthrene	1.269	0.994	0.945	0.926	0.904	0.693	0.955	19.43
71)		Anthracene	1.327	1.258	1.129	0.931	0.817	0.793	1.043	21.88
72)		Carbazole	1.224	0.981	0.848	0.838	0.814	0.746	0.908	19.01
73)		Di-n-butylphth...	1.357	1.499	1.358	1.147	1.028	0.981	1.228	16.86
74)	C	Fluoranthene	1.354	1.237	1.048	0.858	0.806	0.774	0.773	24.35
75)	I	Chrysene-d12	-----ISTD-----							
76)		Benzidine	0.520	0.680	0.837	0.863	0.849	0.861	0.821	16.69
77)		Pyrene	1.761	1.756	1.572	1.319	1.375	1.436	1.523	11.40
78)	S	Terphenyl-d14	1.064	0.839	0.683	0.702	0.726	0.758	0.795	17.94
79)		Butylbenzylphth...	0.487	0.714	0.772	0.763	0.746	0.758	0.722	14.12
80)		Benzo(a)anthra...	1.350	1.285	1.117	0.971	1.004	0.999	0.958	14.57
81)		3,3'-Dichlorob...	0.623	0.738	0.732	0.608	0.556	0.559	0.640	11.63
82)		Chrysene	1.458	1.383	1.223	1.064	1.010	0.949	1.108	16.37

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83)	Bis(2-ethylhex...	0.723	0.913	0.857	0.753	0.720	0.705	0.688	0.765	11.18
84) c	Di-n-octyl pht...	1.071	1.575	1.557	1.572	1.510	1.463	1.578	1.475	12.41
85)	Indeno(1,2,3-c...	0.747	0.888	0.915	0.910	0.967	1.215	1.093	0.962	15.73
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.515	1.486	1.287	1.124	1.075	0.991	1.160	1.234	16.43
88)	Benzo(k)fluora...	1.186	1.221	1.244	1.193	1.165	1.065	0.802	1.125	13.63
89) C	Benzo(a)pyrene	1.046	1.174	1.158	1.074	1.037	1.017	0.976	1.069	6.82
90)	Dibenzo(a,h)an...	0.871	0.927	0.954	0.920	0.975	1.057	0.908	0.945	6.32
91)	Benzo(g,h,i)pe...	0.892	0.948	0.977	0.970	1.053	1.166	1.025	1.004	8.81

(#) = Out of Range