

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG012918.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Jan 29 15:32:55 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BG032407.D 10 =BG032408.D 25 =BG032409.D 40 =BG032410.D 50 =BG032411.D 60 =BG032412.D 80 =BG032413.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.400	0.355	0.321	0.306	0.336	0.316	0.312	0.335	9.85
3)	Pyridine	0.705	0.856	0.941	0.922	0.989	0.976	0.944	0.905	10.84
4)	n-Nitrosodimet...	0.435	0.438	0.453	0.500	0.515	0.482	0.472	0.471	6.53
5) S	2-Fluorophenol	0.994	0.946	0.939	1.020	1.052	1.029	0.990	0.996	4.21
6)	Aniline	1.593	1.566	1.603	1.727	1.732	1.711	1.665	1.657	4.18
7) S	Phenol-d6	1.231	1.268	1.292	1.342	1.438	1.395	1.334	1.329	5.43
8)	2-Chlorophenol	1.080	1.150	1.152	1.204	1.268	1.201	1.183	1.177	4.94
9)	Benzaldehyde	0.779	0.763	0.686	0.646	0.558		0.686		13.13
10) C	Phenol	1.248	1.162	1.206	1.301	1.332	1.324	1.261	1.262	4.96
11)	bis(2-Chloroet...	0.885	0.951	0.910	0.970	1.040	1.005	0.969	0.961	5.51
12)	1,3-Dichlorobe...	1.600	1.562	1.589	1.572	1.646	1.623	1.550	1.592	2.14
13) C	1,4-Dichlorobe...	1.674	1.493	1.524	1.583	1.683	1.620	1.590	1.595	4.45
14)	1,2-Dichlorobe...	1.671	1.540	1.478	1.578	1.585	1.567	1.522	1.563	3.85
15)	Benzyl Alcohol	0.936	1.076	1.079	1.141	1.146	1.185	1.103	1.095	7.34
16)	2,2'-oxybis(1-...	0.975	0.871	0.861	0.923	0.940	0.912	0.895	0.911	4.35
17)	2-Methylphenol	1.031	0.984	0.973	1.053	1.057	1.044	1.032	1.025	3.26
18)	Hexachloroethane	0.589	0.541	0.494	0.524	0.547	0.532	0.523	0.536	5.41
19) P	n-Nitroso-di-n...	0.833	0.855	0.809	0.916	0.940	0.952	0.862	0.881	6.25
20)	3+4-Methylphenols	1.312	1.338	1.365	1.527	1.527	1.536	1.458	1.438	6.80
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.502	0.470	0.464	0.464	0.461	0.461	0.460	0.469	3.20
23) S	Nitrobenzene-d5	0.327	0.315	0.311	0.324	0.320	0.326	0.317	0.320	1.81
24)	Nitrobenzene	0.318	0.292	0.301	0.307	0.319	0.317	0.315	0.310	3.34
25)	Isophorone	0.560	0.526	0.527	0.541	0.553	0.561	0.548	0.545	2.66
26) C	2-Nitrophenol	0.178	0.181	0.177	0.196	0.190	0.197	0.191	0.187	4.53
27)	2,4-Dimethylph...	0.278	0.268	0.258	0.269	0.265	0.274	0.269	0.269	2.45
28)	bis(2-Chloroet...	0.283	0.308	0.289	0.298	0.307	0.308	0.301	0.299	3.34
29) C	2,4-Dichloroph...	0.329	0.342	0.360	0.354	0.364	0.375	0.366	0.356	4.41
30)	1,2,4-Trichlor...	0.533	0.468	0.460	0.459	0.465	0.469	0.467	0.474	5.48
31)	Naphthalene	1.004	0.953	0.975	0.964	0.988	0.982	0.972	0.977	1.69
32)	Benzoic acid	0.120	0.164	0.186	0.193	0.200	0.224	0.181		19.75
33)	4-Chloroaniline	0.439	0.441	0.421	0.428	0.442	0.444	0.435	0.436	1.92
34) C	Hexachlorobuta...	0.406	0.374	0.365	0.361	0.363	0.358	0.356	0.369	4.68
35)	Caprolactam	0.086	0.105	0.099	0.104	0.109	0.109	0.103	0.102	7.63
36) C	4-Chloro-3-met...	0.329	0.347	0.326	0.330	0.344	0.348	0.338	0.338	2.69
37)	2-Methylnaphth...	0.879	0.821	0.797	0.811	0.808	0.818	0.810	0.821	3.27

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38)	I	Acenaphthene-d10	-----ISTD-----								
39)		1,2,4,5-Tetrac...	1.008	0.900	0.933	0.909	0.955	0.933	0.912	0.936	3.94
40)	P	Hexachlorocycl...		0.502	0.574	0.578	0.629	0.604	0.620	0.585	7.85
41)	S	2,4,6-Tribromo...	0.363	0.379	0.378	0.372	0.401	0.395	0.376	0.381	3.47
42)	C	2,4,6-Trichlor...	0.485	0.489	0.518	0.491	0.540	0.527	0.512	0.509	4.19
43)		2,4,5-Trichlor...	0.593	0.585	0.574	0.580	0.621	0.610	0.589	0.593	2.84
44)	S	2-Fluorobiphenyl	1.861	1.667	1.693	1.627	1.701	1.643	1.586	1.683	5.23
45)		1,1'-Biphenyl	1.722	1.670	1.696	1.644	1.746	1.689	1.661	1.690	2.10
46)		2-Chloronaphth...	1.390	1.285	1.325	1.285	1.364	1.321	1.301	1.324	3.02
47)		2-Nitroaniline	0.274	0.291	0.288	0.288	0.321	0.298	0.289	0.293	4.93
48)		Acenaphthylene	2.035	1.970	2.002	1.945	2.072	2.025	1.967	2.002	2.23
49)		Dimethylphthalate	2.012	1.888	1.796	1.740	1.879	1.845	1.749	1.844	5.13
50)		2,6-Dinitrotol...	0.361	0.377	0.396	0.369	0.419	0.407	0.380	0.387	5.45
51)	C	Acenaphthene	1.372	1.348	1.369	1.356	1.471	1.430	1.375	1.389	3.22
52)		3-Nitroaniline	0.313	0.341	0.339	0.331	0.362	0.355	0.326	0.338	4.95
53)	P	2,4-Dinitrophenol		0.156	0.204	0.212	0.251	0.245	0.236	0.217	16.19
54)		Dibenzofuran	2.217	2.135	2.010	1.955	2.103	2.029	1.937	2.055	4.94
55)	P	4-Nitrophenol		0.239	0.246	0.246	0.276	0.263	0.249	0.253	5.43
56)		2,4-Dinitrotol...		0.542	0.531	0.537	0.580	0.570	0.546	0.551	3.56
57)		Fluorene	1.844	1.771	1.682	1.612	1.739	1.691	1.614	1.708	4.92
58)		2,3,4,6-Tetrac...	0.546	0.585	0.599	0.578	0.615	0.605	0.569	0.585	4.01
59)		Diethylphthalate	1.973	1.872	1.755	1.687	1.821	1.774	1.690	1.796	5.71
60)		4-Chlorophenyl...	1.137	1.076	1.069	1.035	1.107	1.073	1.042	1.077	3.30
61)		4-Nitroaniline		0.381	0.360	0.340	0.378	0.366	0.349	0.362	4.38
62)		Azobenzene	1.165	1.100	1.039	1.011	1.108	1.072	1.016	1.073	5.21
63)	I	Phenanthrene-d10	-----ISTD-----								
64)		4,6-Dinitro-2-...		0.129	0.145	0.151	0.159	0.157	0.156	0.149	7.63
65)	c	n-Nitrosodiphe...	0.643	0.572	0.589	0.584	0.605	0.591	0.593	0.597	3.77
66)		4-Bromophenyl-...	0.296	0.282	0.293	0.292	0.310	0.299	0.301	0.296	2.92
67)		Hexachlorobenzene	0.333	0.324	0.324	0.319	0.335	0.328	0.331	0.328	1.77
68)		Atrazine	0.277	0.260	0.256	0.258	0.258	0.250	0.234	0.256	5.08
69)	C	Pentachlorophenol		0.175	0.199	0.201	0.224	0.216	0.218	0.205	8.74
70)		Phenanthrene	1.235	1.115	1.086	1.083	1.124	1.093	1.071	1.115	5.03
71)		Anthracene	1.176	1.111	1.093	1.094	1.137	1.091	1.071	1.111	3.20
72)		Carbazole	1.079	1.007	0.950	0.960	0.983	0.953	0.937	0.981	4.99
73)		Di-n-butylphth...	1.110	1.116	1.062	1.073	1.112	1.078	1.053	1.086	2.39
74)	C	Fluoranthene	1.642	1.599	1.427	1.398	1.445	1.399	1.329	1.463	7.81
75)	I	Chrysene-d12	-----ISTD-----								
76)		Benzidine	0.292	0.424	0.428	0.437	0.409	0.384	0.375	0.393	12.75
77)		Pyrene	1.316	1.244	1.237	1.204	1.221	1.186	1.178	1.227	3.78
78)	S	Terphenyl-d14	1.045	0.974	0.958	0.907	0.919	0.877	0.856	0.934	6.87
79)		Butylbenzylphth...	0.358	0.367	0.377	0.390	0.407	0.404	0.406	0.387	5.13
80)		Benzo(a)anthra...	1.302	1.259	1.214	1.218	1.244	1.224	1.219	1.240	2.58
81)		3,3'-Dichlorob...	0.519	0.463	0.479	0.479	0.480	0.476	0.467	0.480	3.81
82)		Chrysene	1.320	1.211	1.162	1.162	1.201	1.169	1.157	1.197	4.85

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83)	Bis(2-ethylhex...	0.521	0.513	0.537	0.554	0.575	0.573	0.568	0.549	4.64
84) c	Di-n-octyl pht...	0.774	0.826	0.861	0.875	0.920	0.913	0.923	0.870	6.35
85)	Indeno(1,2,3-c...	1.456	1.454	1.469	1.503	1.585	1.564	1.571	1.515	3.80
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.266	1.195	1.202	1.186	1.218	1.215	1.177	1.208	2.42
88)	Benzo(k)fluora...	1.317	1.197	1.168	1.163	1.224	1.159	1.152	1.197	4.90
89) C	Benzo(a)pyrene	1.218	1.118	1.134	1.122	1.183	1.158	1.131	1.152	3.21
90)	Dibenzo(a,h)an...	1.176	1.160	1.159	1.164	1.226	1.193	1.172	1.179	2.03
91)	Benzo(g,h,i)pe...	1.205	1.144	1.138	1.151	1.206	1.179	1.166	1.170	2.40

(#) = Out of Range