

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG040822.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Apr 08 15:31:24 2022
 Response Via : Initial Calibration

Calibration Files

5 =BG053077.D 10 =BG053078.D 20 =BG053079.D 40 =BG053080.D 50 =BG053081.D 60 =BG053082.D 80 =BG053083.D

Compound		5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.692	0.546	0.596	0.581	0.477	0.506	0.503	0.557	13.17
3)	Pyridine	1.361	1.429	1.555	1.626	1.435	1.396	1.484	1.470	6.35
4)	n-Nitrosodimet...	0.758	0.681	0.713	0.797	0.715	0.703	0.727	0.728	5.28
5) S	2-Fluorophenol	1.246	1.217	1.188	1.235	1.116	1.071	1.094	1.167	6.16
6)	Aniline	2.148	2.133	2.099	2.257	1.976	1.953	2.032	2.085	5.11
7) S	Phenol-d6	1.875	1.828	1.804	1.945	1.705	1.678	1.760	1.799	5.22
8)	2-Chlorophenol	1.298	1.307	1.311	1.358	1.188	1.153	1.204	1.260	6.11
9)	Benzaldehyde	1.186	1.255	1.189	1.022	0.982	0.960	0.935	1.075	12.11
10) C	Phenol	1.965	1.811	1.824	1.879	1.690	1.642	1.725	1.791	6.29
11)	bis(2-Chloroet...	1.352	1.293	1.349	1.351	1.241	1.204	1.247	1.291	4.75
12)	1,3-Dichlorobe...	1.515	1.519	1.534	1.549	1.399	1.353	1.376	1.464	5.72
13) C	1,4-Dichlorobe...	1.654	1.513	1.500	1.583	1.409	1.376	1.411	1.492	6.79
14)	1,2-Dichlorobe...	1.629	1.521	1.465	1.496	1.355	1.274	1.333	1.439	8.61
15)	Benzyl Alcohol	1.653	1.556	1.581	1.735	1.543	1.518	1.608	1.599	4.66
16)	2,2'-oxybis(1-...	2.316	2.233	2.185	2.337	2.024	1.971	2.021	2.155	6.97
17)	2-Methylphenol	1.329	1.184	1.263	1.277	1.155	1.102	1.175	1.212	6.57
18)	Hexachloroethane	0.577	0.570	0.550	0.603	0.542	0.524	0.551	0.560	4.61
19) P	n-Nitroso-di-n...	1.337	1.364	1.314	1.414	1.253	1.233	1.306	1.317	4.74
20)	3+4-Methylphenols	1.743	1.737	1.705	1.842	1.621	1.631	1.697	1.711	4.38
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.591	0.563	0.566	0.577	0.514	0.516	0.558	0.555	5.30
23) S	Nitrobenzene-d5	0.524	0.500	0.503	0.509	0.462	0.460	0.491	0.493	4.83
24)	Nitrobenzene	0.528	0.488	0.490	0.484	0.442	0.447	0.475	0.479	6.08
25)	Isophorone	0.844	0.858	0.833	0.882	0.799	0.799	0.846	0.837	3.60
26) C	2-Nitrophenol	0.194	0.204	0.201	0.210	0.194	0.194	0.205	0.200	3.28
27)	2,4-Dimethylph...	0.288	0.290	0.299	0.303	0.269	0.273	0.286	0.287	4.29
28)	bis(2-Chloroet...	0.486	0.467	0.478	0.494	0.451	0.447	0.470	0.470	3.67
29) C	2,4-Dichloroph...	0.345	0.369	0.363	0.383	0.349	0.343	0.372	0.361	4.21
30)	1,2,4-Trichlor...	0.414	0.415	0.423	0.424	0.386	0.380	0.414	0.408	4.35
31)	Naphthalene	1.107	1.115	1.083	1.111	0.999	0.993	1.061	1.067	4.89
32)	Benzoic acid	0.110	0.102	0.150	0.200	0.183	0.188	0.155		26.88
33)	4-Chloroaniline	0.473	0.443	0.474	0.483	0.432	0.426	0.467	0.457	4.93
34) C	Hexachlorobuta...	0.317	0.314	0.311	0.313	0.282	0.283	0.303	0.303	4.89
35)	Caprolactam	0.126	0.123	0.131	0.135	0.123	0.122	0.130	0.127	4.16
36) C	4-Chloro-3-met...	0.412	0.415	0.426	0.445	0.405	0.402	0.435	0.420	3.80
37)	2-Methylnaphth...	0.820	0.810	0.801	0.819	0.740	0.743	0.794	0.790	4.33
38)	1-Methylnaphth...	0.848	0.764	0.777	0.799	0.716	0.715	0.776	0.771	6.02

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.705	0.700	0.698	0.685	0.645	0.635	0.688	0.679	4.14
41) P	Hexachlorocycl...	0.274	0.331	0.367	0.368	0.361	0.403	0.351		12.52
42) S	2,4,6-Tribromo...	0.321	0.328	0.321	0.329	0.307	0.301	0.321	0.318	3.27
43) C	2,4,6-Trichlor...	0.455	0.456	0.491	0.484	0.459	0.445	0.489	0.468	4.05
44)	2,4,5-Trichlor...	0.501	0.490	0.503	0.514	0.483	0.483	0.518	0.499	2.84
45) S	2-Fluorobiphenyl	1.598	1.515	1.471	1.457	1.359	1.328	1.425	1.450	6.31
46)	1,1'-Biphenyl	1.515	1.529	1.449	1.446	1.361	1.337	1.445	1.440	4.97
47)	2-Chloronaphth...	1.237	1.190	1.173	1.159	1.081	1.051	1.151	1.149	5.53
48)	2-Nitroaniline	0.430	0.428	0.447	0.460	0.420	0.419	0.447	0.436	3.57
49)	Acenaphthylene	1.852	1.848	1.842	1.846	1.712	1.692	1.800	1.799	3.82
50)	Dimethylphthalate	1.698	1.650	1.638	1.627	1.511	1.493	1.580	1.600	4.71
51)	2,6-Dinitrotol...	0.360	0.336	0.336	0.339	0.317	0.317	0.331	0.334	4.39
52) C	Acenaphthene	1.214	1.213	1.227	1.253	1.196	1.164	1.271	1.220	2.90
53)	3-Nitroaniline	0.343	0.371	0.352	0.367	0.345	0.338	0.354	0.353	3.52
54) P	2,4-Dinitrophenol	0.173	0.199	0.225	0.219	0.219	0.238	0.212		10.78
55)	Dibenzofuran	2.038	2.002	1.955	1.918	1.814	1.755	1.888	1.910	5.26
56) P	4-Nitrophenol	0.230	0.258	0.286	0.290	0.270	0.270	0.281	0.269	7.66
57)	2,4-Dinitrotol...	0.476	0.476	0.482	0.494	0.465	0.453	0.481	0.475	2.74
58)	Fluorene	1.699	1.606	1.551	1.561	1.454	1.425	1.502	1.543	6.05
59)	2,3,4,6-Tetrac...	0.468	0.493	0.485	0.503	0.475	0.463	0.506	0.485	3.53
60)	Diethylphthalate	1.775	1.776	1.704	1.704	1.595	1.559	1.620	1.676	5.15
61)	4-Chlorophenyl...	0.924	0.896	0.901	0.889	0.833	0.809	0.869	0.875	4.65
62)	4-Nitroaniline	0.382	0.390	0.378	0.377	0.354	0.354	0.371	0.372	3.66
63)	Azobenzene	1.787	1.822	1.726	1.709	1.582	1.549	1.652	1.690	5.99
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.127	0.131	0.142	0.146	0.138	0.137	0.156	0.140	6.99
66) c	n-Nitrosodiphe...	0.607	0.595	0.575	0.589	0.545	0.532	0.584	0.575	4.73
67)	4-Bromophenyl-...	0.265	0.258	0.252	0.266	0.244	0.245	0.265	0.256	3.80
68)	Hexachlorobenzene	0.284	0.278	0.283	0.285	0.266	0.262	0.284	0.278	3.40
69)	Atrazine	0.258	0.254	0.236	0.226	0.198	0.191	0.210	0.225	11.73
70) C	Pentachlorophenol	0.119	0.137	0.151	0.168	0.158	0.156	0.173	0.152	12.29
71)	Phenanthrene	1.178	1.125	1.120	1.115	1.028	0.997	1.084	1.092	5.67
72)	Anthracene	1.192	1.121	1.099	1.103	1.009	0.986	1.065	1.082	6.45
73)	Carbazole	1.158	1.083	1.091	1.072	0.983	0.958	1.018	1.052	6.58
74)	Di-n-butylphth...	1.292	1.259	1.241	1.215	1.122	1.072	1.151	1.193	6.70
75) C	Fluoranthene	1.549	1.469	1.468	1.412	1.303	1.260	1.340	1.400	7.41
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.609	0.628	0.601	0.543	0.455	0.522	0.636	0.571	11.63
78)	Pyrene	1.501	1.426	1.447	1.465	1.360	1.357	1.414	1.424	3.72
79) S	Terphenyl-d14	1.303	1.218	1.219	1.207	1.112	1.100	1.129	1.184	6.21
80)	Butylbenzylpht...	0.538	0.526	0.532	0.553	0.519	0.507	0.543	0.531	2.88
81)	Benzo(a)anthra...	1.439	1.384	1.388	1.396	1.303	1.300	1.364	1.367	3.70
82)	3,3'-Dichlorob...	0.511	0.510	0.514	0.514	0.476	0.477	0.519	0.503	3.63
83)	Chrysene	1.316	1.297	1.297	1.295	1.206	1.197	1.277	1.269	3.76
84)	Bis(2-ethylhex...	0.741	0.720	0.730	0.730	0.688	0.685	0.731	0.718	3.08
85) c	Di-n-octyl pht...	1.215	1.218	1.205	1.227	1.153	1.154	1.232	1.201	2.79

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.550	1.474	1.497	1.533	1.414	1.400	1.534	1.486	4.02	
88)	Benzo(b)fluora...	1.347	1.260	1.255	1.297	1.216	1.181	1.276	1.262	4.26	
89)	Benzo(k)fluora...	1.306	1.261	1.274	1.270	1.162	1.155	1.254	1.240	4.70	
90) C	Benzo(a)pyrene	1.130	1.076	1.083	1.111	1.024	1.010	1.092	1.075	4.06	
91)	Dibenzo(a,h)an...	1.304	1.225	1.236	1.253	1.159	1.143	1.242	1.223	4.53	
92)	Benzo(g,h,i)pe...	1.274	1.217	1.206	1.238	1.144	1.133	1.225	1.205	4.20	

(#) = Out of Range