

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG031522.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Mar 15 15:56:10 2022
 Response Via : Initial Calibration

Calibration Files

5 =BG052659.D 10 =BG052660.D 20 =BG052661.D 40 =BG052662.D 50 =BG052663.D 60 =BG052664.D 80 =BG052665.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.716	0.627	0.620	0.539	0.524	0.505	0.490	0.574	14.34
3) Pyridine	1.456	1.441	1.637	1.456	1.497	1.430	1.392	1.473	5.37
4) n-Nitrosodimet...	0.701	0.620	0.711	0.635	0.655	0.632	0.619	0.653	5.84
5) S 2-Fluorophenol	1.283	1.206	1.247	1.094	1.137	1.064	1.008	1.148	8.80
6) Aniline	2.241	2.193	2.146	1.965	1.998	1.881	1.787	2.030	8.32
7) S Phenol-d6	1.905	1.836	1.831	1.685	1.706	1.616	1.540	1.731	7.60
8) 2-Chlorophenol	1.278	1.291	1.354	1.185	1.180	1.099	1.060	1.207	8.85
9) Benzaldehyde	1.287	1.271	1.156	0.896	0.930	0.841		1.063	18.66
10) C Phenol	1.920	1.864	1.796	1.632	1.653	1.584	1.515	1.709	8.90
11) bis(2-Chloroet...	1.469	1.406	1.399	1.221	1.253	1.172	1.115	1.291	10.39
12) 1,3-Dichlorobe...	1.638	1.551	1.595	1.388	1.407	1.328	1.263	1.453	9.82
13) C 1,4-Dichlorobe...	1.654	1.575	1.584	1.397	1.417	1.332	1.259	1.460	10.05
14) 1,2-Dichlorobe...	1.606	1.521	1.455	1.312	1.335	1.256	1.178	1.381	11.04
15) Benzyl Alcohol	1.595	1.457	1.554	1.401	1.462	1.412	1.323	1.458	6.36
16) 2,2'-oxybis(1-...	2.576	2.547	2.463	2.153	2.164	1.987	1.844	2.248	12.72
17) 2-Methylphenol	1.285	1.170	1.214	1.110	1.129	1.058	1.009	1.139	8.20
18) Hexachloroethane	0.574	0.551	0.586	0.516	0.526	0.505	0.491	0.536	6.65
19) P n-Nitroso-di-n...	1.399	1.365	1.265	1.175	1.181	1.141	1.057	1.226	10.05
20) 3+4-Methylphenols	1.688	1.652	1.671	1.541	1.608	1.564	1.438	1.594	5.52
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.589	0.532	0.532	0.505	0.500	0.488	0.476	0.518	7.28
23) S Nitrobenzene-d5	0.377	0.380	0.405	0.399	0.409	0.409	0.409	0.398	3.47
24) Nitrobenzene	0.391	0.383	0.405	0.398	0.406	0.407	0.400	0.399	2.25
25) Isophorone	0.808	0.775	0.778	0.756	0.773	0.759	0.752	0.772	2.49
26) C 2-Nitrophenol	0.114	0.119	0.135	0.138	0.150	0.154	0.160	0.138	12.76
27) 2,4-Dimethylph...	0.314	0.298	0.288	0.269	0.274	0.273	0.266	0.283	6.23
28) bis(2-Chloroet...	0.514	0.436	0.468	0.449	0.451	0.445	0.430	0.456	6.17
29) C 2,4-Dichloroph...	0.324	0.298	0.317	0.317	0.324	0.329	0.320	0.319	3.16
30) 1,2,4-Trichlor...	0.387	0.373	0.386	0.377	0.375	0.367	0.366	0.376	2.21
31) Naphthalene	1.162	1.076	1.072	1.012	0.989	0.972	0.957	1.034	7.06
32) Benzoic acid		0.126	0.173	0.187	0.208	0.228	0.220	0.190	19.80
33) 4-Chloroaniline	0.472	0.439	0.448	0.435	0.435	0.421	0.419	0.438	4.11
34) C Hexachlorobuta...	0.276	0.277	0.276	0.265	0.263	0.265	0.265	0.270	2.27
35) Caprolactam	0.079	0.081	0.077	0.090	0.094	0.094	0.093	0.087	8.85
36) C 4-Chloro-3-met...	0.364	0.363	0.378	0.374	0.374	0.371	0.367	0.370	1.57
37) 2-Methylnaphth...	0.843	0.798	0.769	0.737	0.735	0.716	0.703	0.757	6.55
38) 1-Methylnaphth...	0.860	0.746	0.749	0.721	0.716	0.702	0.681	0.739	7.88

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.690	0.639	0.650	0.594	0.612	0.590	0.598	0.625	5.88
41) P	Hexachlorocycl...	0.354	0.384	0.391	0.351	0.369	0.371	0.373	0.370	3.92
42) S	2,4,6-Tribromo...	0.245	0.258	0.277	0.262	0.284	0.278	0.277	0.269	5.17
43) C	2,4,6-Trichlor...	0.426	0.394	0.407	0.379	0.404	0.394	0.396	0.400	3.61
44)	2,4,5-Trichlor...	0.410	0.402	0.439	0.388	0.406	0.399	0.399	0.406	3.94
45) S	2-Fluorobiphenyl	1.551	1.445	1.441	1.279	1.295	1.251	1.231	1.356	9.01
46)	1,1'-Biphenyl	1.578	1.484	1.476	1.319	1.340	1.302	1.293	1.399	8.04
47)	2-Chloronaphth...	1.236	1.166	1.170	1.036	1.050	1.030	1.023	1.101	7.87
48)	2-Nitroaniline	0.236	0.251	0.296	0.305	0.332	0.344	0.345	0.301	14.53
49)	Acenaphthylene	1.923	1.874	1.844	1.663	1.707	1.653	1.627	1.756	6.89
50)	Dimethylphthalate	1.607	1.530	1.531	1.435	1.480	1.427	1.397	1.486	4.96
51)	2,6-Dinitrotol...	0.191	0.214	0.257	0.259	0.278	0.279	0.279	0.251	13.89
52) C	Acenaphthene	1.223	1.162	1.162	1.060	1.111	1.082	1.074	1.125	5.27
53)	3-Nitroaniline	0.267	0.259	0.288	0.298	0.317	0.314	0.311	0.294	7.91
54) P	2,4-Dinitrophenol	0.119	0.133	0.134	0.126	0.140	0.149	0.157	0.137	9.45
55)	Dibenzofuran	2.039	1.949	1.915	1.750	1.790	1.725	1.692	1.837	7.13
56) P	4-Nitrophenol	0.205	0.223	0.236	0.248	0.256	0.256	0.253	0.240	8.13
57)	2,4-Dinitrotol...	0.286	0.292	0.317	0.358	0.393	0.392	0.399	0.348	14.21
58)	Fluorene	1.711	1.633	1.575	1.404	1.438	1.374	1.348	1.497	9.43
59)	2,3,4,6-Tetrac...	0.392	0.409	0.450	0.434	0.463	0.449	0.441	0.434	5.74
60)	Diethylphthalate	1.638	1.660	1.613	1.521	1.567	1.511	1.474	1.569	4.50
61)	4-Chlorophenyl...	0.956	0.841	0.847	0.779	0.810	0.783	0.765	0.826	7.94
62)	4-Nitroaniline	0.298	0.282	0.316	0.307	0.325	0.324	0.319	0.310	5.06
63)	Azobenzene	1.912	1.795	1.741	1.607	1.624	1.546	1.515	1.677	8.58
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.078	0.074	0.087	0.088	0.097	0.099	0.102	0.089	11.91
66) c	n-Nitrosodiphe...	0.631	0.600	0.590	0.535	0.541	0.525	0.520	0.563	7.66
67)	4-Bromophenyl-...	0.268	0.244	0.252	0.230	0.236	0.228	0.231	0.241	5.96
68)	Hexachlorobenzene	0.278	0.261	0.272	0.250	0.257	0.250	0.246	0.259	4.69
69)	Atrazine	0.223	0.223	0.221	0.208	0.205	0.194	0.179	0.208	8.07
70) C	Pentachlorophenol	0.144	0.150	0.168	0.162	0.169	0.167	0.166	0.161	6.16
71)	Phenanthrene	1.239	1.121	1.115	1.025	1.033	0.982	0.973	1.070	8.85
72)	Anthracene	1.228	1.128	1.116	1.007	1.014	0.967	0.944	1.058	9.68
73)	Carbazole	1.213	1.114	1.132	1.004	1.009	0.943	0.917	1.048	10.32
74)	Di-n-butylphth...	1.216	1.203	1.225	1.137	1.135	1.063	1.032	1.144	6.62
75) C	Fluoranthene	1.589	1.434	1.451	1.306	1.309	1.230	1.189	1.358	10.32
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.543	0.560	0.559	0.494	0.424	0.500	0.531	0.516	9.38
78)	Pyrene	1.451	1.437	1.427	1.355	1.383	1.350	1.308	1.387	3.82
79) S	Terphenyl-d14	1.244	1.196	1.179	1.104	1.094	1.053	1.001	1.124	7.61
80)	Butylbenzylpht...	0.464	0.478	0.503	0.492	0.509	0.504	0.494	0.492	3.22
81)	Benzo(a)anthra...	1.476	1.384	1.402	1.285	1.308	1.276	1.243	1.339	6.23
82)	3,3'-Dichlorob...	0.492	0.474	0.502	0.460	0.470	0.465	0.448	0.473	3.90
83)	Chrysene	1.398	1.312	1.301	1.215	1.221	1.197	1.170	1.259	6.41
84)	Bis(2-ethylhex...	0.660	0.665	0.701	0.659	0.677	0.664	0.659	0.669	2.29
85) c	Di-n-octyl pht...	1.082	1.064	1.150	1.106	1.142	1.134	1.121	1.114	2.88

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.582	1.389	1.386	1.301	1.311	1.302	1.312	1.369	7.42	
88)	Benzo(b)fluora...	1.425	1.276	1.295	1.194	1.177	1.146	1.181	1.242	7.86	
89)	Benzo(k)fluora...	1.408	1.310	1.254	1.168	1.160	1.135	1.118	1.222	8.76	
90) C	Benzo(a)pyrene	1.191	1.067	1.088	1.013	1.009	0.990	1.000	1.051	6.81	
91)	Dibenzo(a,h)an...	1.323	1.147	1.157	1.075	1.072	1.058	1.064	1.128	8.42	
92)	Benzo(g,h,i)pe...	1.255	1.112	1.135	1.073	1.083	1.070	1.085	1.116	5.89	

(#) = Out of Range