

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG111622.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Nov 17 02:02:46 2022
 Response Via : Initial Calibration

Calibration Files

2.5 =BG055641.D 5 =BG055642.D 10 =BG055643.D 20 =BG055644.D 40 =BG055645.D 50 =BG055646.D 60 =BG055647.D 80 =BG055648.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.523	0.473	0.493	0.464	0.435	0.474	0.448	0.473	6.14	
3)	Pyridine	1.368	1.451	1.478	1.499	1.413	1.515	1.431	1.451	3.55	
4)	n-Nitrosodimet...	0.767	0.774	0.775	0.785	0.739	0.798	0.738	0.768	2.91	
5) S	2-Fluorophenol	1.160	1.117	1.139	1.111	1.053	1.120	1.046	1.106	3.81	
6)	Aniline	1.806	1.864	1.845	1.916	1.830	1.924	1.766	1.850	3.09	
7) S	Phenol-d6	1.483	1.467	1.495	1.524	1.442	1.509	1.390	1.473	3.06	
8)	2-Chlorophenol	1.289	1.311	1.272	1.292	1.243	1.269	1.177	1.265	3.49	
9)	Benzaldehyde	1.164	1.169	1.080	0.992	0.878	0.921	0.798	1.000	14.37	
10) C	Phenol	1.647	1.646	1.695	1.689	1.612	1.697	1.558	1.649	3.11	
11)	bis(2-Chloroet...	1.297	1.292	1.295	1.279	1.229	1.275	1.180	1.264	3.46	
12)	1,3-Dichlorobe...	1.567	1.532	1.539	1.467	1.423	1.488	1.393	1.487	4.28	
13) C	1,4-Dichlorobe...	1.559	1.535	1.572	1.497	1.443	1.508	1.405	1.503	4.06	
14)	1,2-Dichlorobe...	1.549	1.472	1.499	1.435	1.373	1.435	1.318	1.440	5.36	
15)	Benzyl Alcohol	1.130	1.128	1.209	1.251	1.208	1.275	1.179	1.197	4.69	
16)	2,2'-oxybis(1-...	2.386	2.293	2.334	2.340	2.255	2.278	2.130	2.288	3.59	
17)	2-Methylphenol	1.154	1.156	1.193	1.206	1.158	1.218	1.111	1.171	3.15	
18)	Hexachloroethane	0.514	0.523	0.534	0.526	0.501	0.526	0.495	0.517	2.76	
19) P	n-Nitroso-di-n...	1.122	1.146	1.146	1.144	1.180	1.103	1.153	1.061	1.132	3.22
20)	3+4-Methylphenols	1.592	1.613	1.612	1.711	1.611	1.715	1.596	1.636	3.26	
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.533	0.520	0.534	0.522	0.500	0.516	0.514	0.520	2.25	
23) S	Nitrobenzene-d5	0.359	0.382	0.391	0.382	0.369	0.385	0.382	0.378	2.89	
24)	Nitrobenzene	0.394	0.390	0.403	0.395	0.383	0.402	0.400	0.395	1.82	
25)	Isophorone	0.690	0.688	0.738	0.736	0.700	0.738	0.729	0.717	3.27	
26) C	2-Nitrophenol	0.162	0.167	0.183	0.190	0.183	0.196	0.196	0.182	7.45	
27)	2,4-Dimethylph...	0.270	0.269	0.284	0.282	0.273	0.285	0.281	0.278	2.48	
28)	bis(2-Chloroet...	0.381	0.381	0.397	0.389	0.374	0.388	0.384	0.385	1.95	
29) C	2,4-Dichloroph...	0.307	0.318	0.339	0.342	0.335	0.344	0.342	0.332	4.28	
30)	1,2,4-Trichlor...	0.382	0.392	0.400	0.378	0.377	0.385	0.389	0.386	2.11	
31)	Naphthalene	1.073	1.084	1.126	1.079	1.047	1.088	1.071	1.081	2.22	
32)	Benzoic acid	0.187	0.198	0.233	0.228	0.261	0.264	0.228		13.82	
33)	4-Chloroaniline	0.428	0.434	0.452	0.456	0.437	0.461	0.455	0.446	2.91	
34) C	Hexachlorobuta...	0.260	0.265	0.273	0.260	0.260	0.263	0.265	0.264	1.82	
35)	Caprolactam	0.111	0.115	0.114	0.122	0.106	0.122	0.116	0.115	4.91	
36) C	4-Chloro-3-met...	0.343	0.354	0.368	0.375	0.360	0.384	0.374	0.365	3.90	
37)	2-Methylnaphth...	0.791	0.811	0.832	0.825	0.789	0.820	0.799	0.810	2.10	
38)	1-Methylnaphth...	0.756	0.788	0.811	0.802	0.765	0.800	0.779	0.786	2.60	

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.638	0.632	0.653	0.616	0.620	0.612	0.628	0.629	2.24
41) P	Hexachlorocycl...	0.257	0.280	0.319	0.330	0.341	0.335	0.355	0.317	11.10
42) S	2,4,6-Tribromo...	0.260	0.284	0.288	0.289	0.272	0.291	0.286	0.282	4.01
43) C	2,4,6-Trichlor...	0.395	0.423	0.433	0.437	0.431	0.437	0.444	0.429	3.78
44)	2,4,5-Trichlor...	0.427	0.463	0.477	0.490	0.465	0.488	0.488	0.471	4.78
45) S	2-Fluorobiphenyl	1.391	1.401	1.410	1.311	1.290	1.274	1.266	1.335	4.76
46)	1,1'-Biphenyl	1.468	1.499	1.507	1.447	1.423	1.426	1.432	1.457	2.39
47)	2-Chloronaphth...	1.140	1.143	1.166	1.131	1.110	1.111	1.129	1.133	1.73
48)	2-Nitroaniline	0.342	0.350	0.376	0.384	0.366	0.397	0.392	0.372	5.59
49)	Acenaphthylene	1.825	1.906	1.931	1.884	1.800	1.865	1.847	1.865	2.46
50)	Dimethylphthalate	1.584	1.653	1.637	1.615	1.508	1.601	1.562	1.594	3.06
51)	2,6-Dinitrotol...	0.303	0.312	0.334	0.336	0.322	0.340	0.336	0.326	4.38
52) C	Acenaphthene	1.169	1.205	1.235	1.235	1.188	1.258	1.244	1.219	2.67
53)	3-Nitroaniline	0.323	0.347	0.365	0.373	0.345	0.378	0.373	0.358	5.66
54) P	2,4-Dinitrophenol		0.147	0.169	0.194	0.188	0.212	0.214	0.187	13.76
55)	Dibenzofuran	1.893	1.944	1.964	1.879	1.794	1.866	1.826	1.881	3.22
56) P	4-Nitrophenol	0.239	0.267	0.279	0.302	0.271	0.310	0.299	0.281	8.82
57)	2,4-Dinitrotol...	0.403	0.436	0.468	0.480	0.449	0.495	0.487	0.460	7.05
58)	Fluorene	1.530	1.561	1.566	1.516	1.409	1.485	1.448	1.502	3.89
59)	2,3,4,6-Tetrac...	0.436	0.439	0.466	0.469	0.448	0.477	0.461	0.457	3.48
60)	Diethylphthalate	1.624	1.679	1.669	1.627	1.500	1.618	1.567	1.612	3.81
61)	4-Chlorophenyl...	0.842	0.840	0.861	0.830	0.784	0.822	0.802	0.826	3.15
62)	4-Nitroaniline	0.360	0.379	0.378	0.382	0.346	0.396	0.378	0.374	4.30
63)	Azobenzene	1.389	1.436	1.467	1.425	1.328	1.418	1.388	1.407	3.17
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.084	0.094	0.112	0.118	0.118	0.127	0.128	0.112	14.88
66) c	n-Nitrosodiphe...	0.541	0.549	0.578	0.546	0.544	0.549	0.550	0.551	2.27
67)	4-Bromophenyl-...	0.218	0.222	0.237	0.230	0.230	0.229	0.230	0.228	2.76
68)	Hexachlorobenzene	0.251	0.252	0.263	0.248	0.250	0.251	0.253	0.253	1.89
69)	Atrazine	0.229	0.237	0.226	0.215	0.203	0.212	0.203	0.218	5.96
70) C	Pentachlorophenol	0.124	0.141	0.156	0.164	0.160	0.168	0.169	0.155	10.71
71)	Phenanthrene	1.105	1.114	1.141	1.065	1.036	1.062	1.032	1.079	3.84
72)	Anthracene	1.065	1.088	1.098	1.035	1.003	1.044	1.007	1.049	3.57
73)	Carbazole	0.985	0.979	0.982	0.934	0.883	0.933	0.901	0.943	4.35
74)	Di-n-butylphth...	1.199	1.246	1.219	1.168	1.097	1.164	1.101	1.171	4.83
75) C	Fluoranthene	1.421	1.419	1.382	1.287	1.211	1.274	1.197	1.313	7.20
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzydine	0.583	0.464	0.396	0.482	0.402	0.469	0.442	0.463	13.55
78)	Pyrene	1.384	1.369	1.449	1.376	1.284	1.333	1.281	1.354	4.39
79) S	Terphenyl-d14	1.077	1.066	1.078	0.999	0.936	0.954	0.889	1.000	7.65
80)	Butylbenzylphth...	0.504	0.523	0.541	0.539	0.525	0.541	0.536	0.530	2.59
81)	Benzo(a)anthra...	1.417	1.405	1.426	1.384	1.324	1.353	1.334	1.378	2.98
82)	3,3'-Dichlorob...	0.495	0.495	0.487	0.497	0.460	0.481	0.473	0.484	2.83
83)	Chrysene	1.355	1.345	1.349	1.315	1.263	1.289	1.263	1.311	3.07
84)	Bis(2-ethylhex...	0.754	0.757	0.779	0.768	0.748	0.766	0.760	0.762	1.32
85) c	Di-n-octyl pht...	1.303	1.276	1.326	1.328	1.283	1.308	1.300	1.303	1.52

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86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.931	1.651	1.645	1.619	1.495	1.560	1.568	1.638	8.55
88)	Benzo(b)fluora...	1.368	1.301	1.360	1.317	1.238	1.278	1.254	1.303	3.83
89)	Benzo(k)fluora...	1.347	1.330	1.340	1.304	1.226	1.281	1.260	1.298	3.46
90) C	Benzo(a)pyrene	1.196	1.122	1.143	1.121	1.053	1.100	1.089	1.118	4.03
91)	Dibenzo(a,h)an...	1.556	1.359	1.350	1.317	1.230	1.280	1.279	1.339	7.89
92)	Benzo(g,h,i)pe...	1.597	1.365	1.352	1.338	1.224	1.275	1.296	1.349	8.86

(#) = Out of Range