

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM080122.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Aug 01 17:50:14 2022
 Response Via : Initial Calibration

Calibration Files

5 =BM036028.D 10 =BM036029.D 20 =BM036030.D 40 =BM036031.D 50 =BM036032.D 60 =BM036033.D 80 =BM036034.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.514	0.517	0.555	0.441	0.492	0.490	0.471	0.497	7.36
3) Pyridine	1.330	1.360	1.482	1.153	1.334	1.360	1.312	1.333	7.26
4) n-Nitrosodimet...	0.541	0.576	0.608	0.484	0.549	0.549	0.528	0.548	7.05
5) S 2-Fluorophenol	1.242	1.262	1.366	1.110	1.226	1.241	1.188	1.234	6.25
6) Aniline	1.740	1.766	1.883	1.561	1.765	1.778	1.674	1.738	5.74
7) S Phenol-d6	1.555	1.594	1.720	1.404	1.591	1.603	1.522	1.570	6.09
8) 2-Chlorophenol	1.327	1.336	1.440	1.198	1.316	1.329	1.261	1.315	5.66
9) Benzaldehyde	0.998	0.968	0.972	0.660	0.800	0.758	0.660	0.831	17.82
10) C Phenol	1.564	1.612	1.735	1.409	1.607	1.613	1.523	1.580	6.31
11) bis(2-Chloroet...	1.363	1.331	1.402	1.194	1.303	1.294	1.226	1.302	5.62
12) 1,3-Dichlorobe...	1.538	1.481	1.595	1.339	1.429	1.445	1.376	1.458	6.13
13) C 1,4-Dichlorobe...	1.531	1.535	1.640	1.367	1.468	1.467	1.398	1.486	6.18
14) 1,2-Dichlorobe...	1.500	1.475	1.568	1.320	1.416	1.420	1.342	1.434	6.10
15) Benzyl Alcohol	1.017	1.045	1.133	0.950	1.092	1.096	1.042	1.053	5.71
16) 2,2'-oxybis(1-...	1.826	1.770	1.872	1.608	1.729	1.712	1.600	1.731	5.93
17) 2-Methylphenol	1.039	1.072	1.138	0.935	1.064	1.069	1.007	1.046	6.04
18) Hexachloroethane	0.540	0.529	0.582	0.504	0.536	0.538	0.517	0.535	4.56
19) P n-Nitroso-di-n...	0.957	0.953	1.029	0.872	0.972	0.982	0.909	0.953	5.33
20) 3+4-Methylphenols	1.396	1.431	1.533	1.279	1.456	1.467	1.387	1.421	5.59
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.463	0.465	0.515	0.420	0.481	0.493	0.477	0.473	6.23
23) S Nitrobenzene-d5	0.338	0.348	0.391	0.317	0.367	0.375	0.366	0.357	6.95
24) Nitrobenzene	0.324	0.325	0.371	0.297	0.344	0.349	0.341	0.336	6.93
25) Isophorone	0.552	0.553	0.622	0.519	0.604	0.621	0.598	0.581	6.81
26) C 2-Nitrophenol	0.137	0.142	0.166	0.144	0.171	0.175	0.174	0.158	10.49
27) 2,4-Dimethylph...	0.229	0.236	0.265	0.218	0.254	0.261	0.254	0.245	7.17
28) bis(2-Chloroet...	0.417	0.409	0.445	0.374	0.415	0.428	0.410	0.414	5.22
29) C 2,4-Dichloroph...	0.256	0.260	0.298	0.247	0.287	0.295	0.289	0.276	7.66
30) 1,2,4-Trichlor...	0.307	0.306	0.341	0.282	0.315	0.324	0.316	0.313	5.80
31) Naphthalene	1.000	0.996	1.092	0.875	0.998	1.017	0.983	0.994	6.43
32) Benzoic acid	0.159	0.152	0.197	0.173	0.220	0.232	0.230	0.195	17.42
33) 4-Chloroaniline	0.384	0.388	0.430	0.351	0.412	0.427	0.413	0.401	7.06
34) C Hexachlorobuta...	0.183	0.176	0.197	0.170	0.185	0.190	0.185	0.184	4.82
35) Caprolactam	0.073	0.076	0.089	0.071	0.093	0.098	0.095	0.085	13.24
36) C 4-Chloro-3-met...	0.269	0.278	0.310	0.253	0.303	0.315	0.303	0.290	8.12
37) 2-Methylnaphth...	0.653	0.648	0.712	0.588	0.671	0.692	0.668	0.662	5.93
38) 1-Methylnaphth...	0.643	0.644	0.699	0.570	0.654	0.676	0.651	0.648	6.14

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.532	0.520	0.589	0.491	0.550	0.561	0.553	0.542	5.78
41) P	Hexachlorocycl...	0.259	0.252	0.304	0.272	0.302	0.311	0.311	0.287	8.89
42) S	2,4,6-Tribromo...	0.210	0.218	0.252	0.206	0.248	0.258	0.251	0.235	9.48
43) C	2,4,6-Trichlor...	0.339	0.342	0.399	0.332	0.385	0.397	0.388	0.369	8.02
44)	2,4,5-Trichlor...	0.352	0.360	0.427	0.348	0.407	0.423	0.409	0.389	8.91
45) S	2-Fluorobiphenyl	1.380	1.346	1.495	1.214	1.341	1.378	1.327	1.355	6.15
46)	1,1'-Biphenyl	1.458	1.448	1.602	1.287	1.456	1.499	1.452	1.458	6.38
47)	2-Chloronaphth...	1.110	1.096	1.230	0.981	1.119	1.151	1.121	1.116	6.64
48)	2-Nitroaniline	0.256	0.274	0.327	0.261	0.330	0.342	0.338	0.304	12.62
49)	Acenaphthylene	1.662	1.669	1.896	1.509	1.754	1.816	1.765	1.724	7.25
50)	Dimethylphthalate	1.346	1.345	1.464	1.176	1.373	1.435	1.380	1.360	6.79
51)	2,6-Dinitrotol...	0.236	0.256	0.294	0.242	0.290	0.299	0.294	0.273	10.04
52) C	Acenaphthene	1.096	1.103	1.221	0.977	1.152	1.185	1.162	1.128	7.07
53)	3-Nitroaniline	0.266	0.291	0.343	0.272	0.346	0.358	0.352	0.318	12.59
54) P	2,4-Dinitrophenol	0.110	0.114	0.145	0.125	0.166	0.174	0.177	0.144	19.68
55)	Dibenzofuran	1.694	1.698	1.850	1.460	1.688	1.747	1.688	1.689	6.91
56) P	4-Nitrophenol	0.203	0.233	0.271	0.216	0.279	0.293	0.288	0.255	14.40
57)	2,4-Dinitrotol...	0.282	0.318	0.380	0.314	0.394	0.411	0.404	0.358	14.47
58)	Fluorene	1.324	1.321	1.458	1.140	1.342	1.400	1.341	1.332	7.35
59)	2,3,4,6-Tetrac...	0.309	0.320	0.358	0.287	0.342	0.354	0.339	0.330	7.74
60)	Diethylphthalate	1.355	1.367	1.505	1.220	1.430	1.482	1.424	1.398	6.85
61)	4-Chlorophenyl...	0.651	0.651	0.722	0.583	0.675	0.696	0.672	0.664	6.59
62)	4-Nitroaniline	0.254	0.297	0.355	0.278	0.361	0.377	0.370	0.328	15.23
63)	Azobenzene	1.217	1.290	1.463	1.187	1.369	1.418	1.357	1.329	7.66
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.075	0.084	0.106	0.094	0.117	0.120	0.120	0.102	18.12
66) c	n-Nitrosodiphe...	0.543	0.544	0.616	0.505	0.577	0.593	0.574	0.565	6.53
67)	4-Bromophenyl-...	0.195	0.189	0.215	0.180	0.205	0.210	0.206	0.200	6.30
68)	Hexachlorobenzene	0.229	0.221	0.245	0.206	0.234	0.240	0.233	0.230	5.67
69)	Atrazine	0.173	0.166	0.178	0.151	0.158	0.151	0.130	0.158	10.29
70) C	Pentachlorophenol	0.119	0.121	0.145	0.121	0.145	0.147	0.142	0.134	9.73
71)	Phenanthrene	1.018	1.016	1.107	0.887	1.026	1.059	1.020	1.019	6.57
72)	Anthracene	0.944	0.962	1.075	0.871	1.012	1.038	1.003	0.986	6.84
73)	Carbazole	0.956	0.994	1.092	0.863	1.022	1.056	1.015	1.000	7.42
74)	Di-n-butylphth...	1.135	1.105	1.271	1.094	1.250	1.274	1.224	1.193	6.65
75) C	Fluoranthene	1.107	1.129	1.226	0.985	1.168	1.199	1.168	1.141	6.95
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.211	0.416	0.371	0.288	0.248	0.290	0.276	0.300	23.57
78)	Pyrene	1.207	1.200	1.370	1.070	1.263	1.309	1.263	1.240	7.68
79) S	Terphenyl-d14	1.030	1.009	1.135	0.912	1.020	1.038	0.955	1.014	6.91
80)	Butylbenzylpht...	0.485	0.465	0.563	0.489	0.576	0.592	0.577	0.535	9.95
81)	Benzo(a)anthra...	1.220	1.212	1.332	1.072	1.254	1.293	1.241	1.232	6.66
82)	3,3'-Dichlorob...	0.273	0.294	0.337	0.266	0.306	0.321	0.297	0.299	8.29
83)	Chrysene	1.165	1.154	1.279	1.022	1.184	1.225	1.167	1.171	6.73
84)	Bis(2-ethylhex...	0.777	0.703	0.850	0.755	0.858	0.871	0.839	0.808	7.81
85) c	Di-n-octyl pht...	1.193	1.182	1.373	1.244	1.397	1.441	1.395	1.318	8.19

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.363	1.349	1.513	1.226	1.436	1.489	1.462	1.405	7.10	
88)	Benzo(b)fluora...	1.142	1.130	1.261	1.031	1.213	1.227	1.197	1.172	6.60	
89)	Benzo(k)fluora...	1.146	1.145	1.313	1.042	1.181	1.257	1.200	1.184	7.35	
90) C	Benzo(a)pyrene	0.939	0.936	1.069	0.860	1.009	1.045	1.025	0.983	7.53	
91)	Dibenzo(a,h)an...	1.139	1.138	1.269	1.028	1.203	1.240	1.218	1.176	6.94	
92)	Benzo(g,h,i)pe...	1.098	1.091	1.229	0.988	1.162	1.212	1.194	1.139	7.47	

(#) = Out of Range