

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF060222.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Jun 02 17:07:23 2022
 Response Via : Initial Calibration

Calibration Files

5 =BF128636.D 10 =BF128637.D 20 =BF128638.D 40 =BF128639.D 50 =BF128640.D 60 =BF128641.D 80 =BF128642.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.433	0.476	0.495	0.494	0.481	0.463	0.422	0.466	6.19
3)	Pyridine	1.151	1.327	1.316	1.295	1.235	1.232	1.112	1.238	6.64
4)	n-Nitrosodimet...	0.814	0.882	0.902	0.904	0.880	0.850	0.779	0.859	5.50
5) S	2-Fluorophenol	1.279	1.349	1.361	1.278	1.205	1.213	1.105	1.256	7.13
6)	Aniline	1.703	1.788	1.799	1.649	1.598	1.563	1.471	1.653	7.25
7) S	Phenol-d6	1.644	1.602	1.656	1.541	1.488	1.444	1.354	1.533	7.25
8)	2-Chlorophenol	1.325	1.373	1.429	1.283	1.225	1.223	1.136	1.285	7.77
9)	Benzaldehyde	1.097	1.078	1.023	0.759	0.646	1.016	0.916	0.934	18.32
10) C	Phenol	1.669	1.681	1.768	1.651	1.577	1.543	1.453	1.620	6.40
11)	bis(2-Chloroet...	1.219	1.222	1.299	1.197	1.149	1.140	1.085	1.187	5.86
12)	1,3-Dichlorobe...	1.555	1.542	1.636	1.497	1.413	1.423	1.331	1.485	6.94
13) C	1,4-Dichlorobe...	1.610	1.572	1.604	1.496	1.430	1.436	1.352	1.500	6.61
14)	1,2-Dichlorobe...	1.471	1.513	1.479	1.383	1.354	1.354	1.268	1.403	6.24
15)	Benzyl Alcohol	1.322	1.407	1.367	1.275	1.227	1.235	1.145	1.282	7.00
16)	2,2'-oxybis(1-...	2.084	2.212	2.086	1.903	1.776	1.905	1.726	1.956	9.07
17)	2-Methylphenol	1.045	1.101	1.081	1.000	0.966	0.986	0.929	1.015	6.15
18)	Hexachloroethane	0.536	0.581	0.598	0.568	0.547	0.560	0.517	0.558	4.88
19) P	n-Nitroso-di-n...	0.957	0.999	1.019	0.960	0.933	0.928	0.875	0.953	5.01
20)	3+4-Methylphenols	1.321	1.479	1.459	1.368	1.313	1.331	1.219	1.356	6.60
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.531	0.506	0.555	0.543	0.511	0.516	0.500	0.523	3.87
23) S	Nitrobenzene-d5	0.418	0.415	0.460	0.440	0.428	0.431	0.415	0.430	3.77
24)	Nitrobenzene	0.381	0.386	0.418	0.407	0.391	0.397	0.380	0.394	3.58
25)	Isophorone	0.649	0.650	0.690	0.669	0.634	0.643	0.632	0.652	3.17
26) C	2-Nitrophenol	0.150	0.167	0.186	0.186	0.176	0.177	0.174	0.174	7.17
27)	2,4-Dimethylph...	0.253	0.262	0.285	0.282	0.256	0.261	0.254	0.265	5.06
28)	bis(2-Chloroet...	0.408	0.405	0.437	0.431	0.400	0.411	0.395	0.412	3.85
29) C	2,4-Dichloroph...	0.304	0.298	0.324	0.323	0.302	0.303	0.290	0.306	4.12
30)	1,2,4-Trichlor...	0.353	0.336	0.374	0.360	0.332	0.336	0.324	0.345	5.18
31)	Naphthalene	1.067	1.031	1.094	1.024	0.996	1.012	0.962	1.026	4.26
32)	Benzoic acid		0.147	0.192	0.201	0.192	0.197	0.196	0.188	10.76
33)	4-Chloroaniline	0.394	0.396	0.418	0.383	0.376	0.379	0.363	0.387	4.56
34) C	Hexachlorobuta...	0.250	0.246	0.259	0.242	0.245	0.239	0.233	0.245	3.42
35)	Caprolactam	0.089	0.085	0.088	0.084	0.077	0.086	0.084	0.085	4.47
36) C	4-Chloro-3-met...	0.352	0.328	0.359	0.332	0.311	0.341	0.318	0.334	5.23
37)	2-Methylnaphth...	0.677	0.667	0.698	0.648	0.608	0.656	0.616	0.653	4.90
38)	1-Methylnaphth...	0.664	0.639	0.686	0.613	0.586	0.627	0.600	0.631	5.64

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.633	0.620	0.664	0.645	0.607	0.598	0.581	0.621	4.58
41) P	Hexachlorocycl...	0.335	0.335	0.405	0.400	0.388	0.377	0.373	0.373	7.65
42) S	2,4,6-Tribromo...	0.232	0.232	0.251	0.253	0.236	0.225	0.226	0.236	4.80
43) C	2,4,6-Trichlor...	0.416	0.421	0.452	0.430	0.415	0.411	0.394	0.420	4.29
44)	2,4,5-Trichlor...	0.434	0.444	0.455	0.449	0.427	0.420	0.410	0.434	3.76
45) S	2-Fluorobiphenyl	1.526	1.471	1.513	1.459	1.377	1.338	1.310	1.428	6.02
46)	1,1'-Biphenyl	1.568	1.532	1.599	1.524	1.464	1.437	1.381	1.501	5.12
47)	2-Chloronaphth...	1.171	1.163	1.226	1.158	1.110	1.119	1.069	1.145	4.41
48)	2-Nitroaniline	0.345	0.380	0.413	0.406	0.393	0.410	0.393	0.392	5.98
49)	Acenaphthylene	1.795	1.784	1.877	1.790	1.679	1.700	1.646	1.753	4.60
50)	Dimethylphthalate	1.444	1.390	1.385	1.406	1.325	1.334	1.298	1.369	3.76
51)	2,6-Dinitrotol...	0.241	0.259	0.288	0.286	0.271	0.277	0.269	0.270	6.02
52) C	Acenaphthene	1.140	1.118	1.206	1.189	1.132	1.116	1.090	1.142	3.63
53)	3-Nitroaniline	0.270	0.289	0.319	0.310	0.291	0.292	0.282	0.293	5.63
54) P	2,4-Dinitrophenol	0.114	0.142	0.162	0.165	0.156	0.165	0.150		13.14
55)	Dibenzofuran	1.735	1.654	1.743	1.672	1.593	1.572	1.515	1.641	5.19
56) P	4-Nitrophenol	0.177	0.199	0.232	0.214	0.227	0.226	0.212	0.213	9.09
57)	2,4-Dinitrotol...	0.308	0.347	0.393	0.386	0.365	0.368	0.357	0.361	7.80
58)	Fluorene	1.354	1.276	1.341	1.329	1.218	1.208	1.180	1.272	5.59
59)	2,3,4,6-Tetrac...	0.354	0.333	0.388	0.377	0.358	0.352	0.347	0.359	5.14
60)	Diethylphthalate	1.428	1.352	1.480	1.415	1.318	1.345	1.293	1.376	4.86
61)	4-Chlorophenyl...	0.714	0.647	0.700	0.685	0.635	0.630	0.609	0.660	6.02
62)	4-Nitroaniline	0.307	0.284	0.327	0.312	0.284	0.289	0.275	0.297	6.28
63)	Azobenzene	1.376	1.320	1.465	1.398	1.295	1.340	1.288	1.355	4.65
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.092	0.119	0.124	0.128	0.123	0.123	0.118		11.20
66) c	n-Nitrosodiphe...	0.591	0.601	0.671	0.635	0.611	0.605	0.590	0.615	4.73
67)	4-Bromophenyl-...	0.214	0.219	0.239	0.230	0.221	0.223	0.216	0.223	3.93
68)	Hexachlorobenzene	0.240	0.241	0.264	0.258	0.247	0.245	0.239	0.248	3.85
69)	Atrazine	0.206	0.211	0.215	0.207	0.190	0.185	0.171	0.198	8.20
70) C	Pentachlorophenol	0.095	0.130	0.130	0.133	0.125	0.128	0.124		11.66
71)	Phenanthrene	1.027	1.017	1.083	1.016	0.964	0.974	0.942	1.003	4.71
72)	Anthracene	1.014	1.011	1.080	1.006	0.961	0.957	0.921	0.993	5.20
73)	Carbazole	0.958	0.954	1.024	0.937	0.881	0.872	0.830	0.922	7.08
74)	Di-n-butylphth...	1.140	1.110	1.214	1.165	1.087	1.093	1.050	1.123	4.89
75) C	Fluoranthene	0.977	1.136	1.170	1.095	1.025	0.987	0.950	1.049	8.13
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.518	0.427	0.370	0.295	0.383		0.399		20.56
78)	Pyrene	1.402	1.438	1.653	1.433	1.480	1.513	1.496	1.488	5.54
79) S	Terphenyl-d14	1.123	1.103	1.275	1.166	1.126	1.135	1.130	1.151	5.03
80)	Butylbenzylpht...	0.572	0.580	0.688	0.645	0.631	0.637	0.622	0.625	6.35
81)	Benzo(a)anthra...	1.283	1.252	1.332	1.260	1.218	1.218	1.164	1.247	4.32
82)	3,3'-Dichlorob...	0.293	0.313	0.307	0.266	0.234	0.246	0.209	0.267	14.72
83)	Chrysene	1.207	1.205	1.275	1.188	1.171	1.155	1.118	1.189	4.15
84)	Bis(2-ethylhex...	0.765	0.764	0.842	0.830	0.833	0.834	0.819	0.812	4.11
85) c	Di-n-octyl pht...	1.198	1.221	1.302	1.263	1.240	1.314	1.027	1.224	7.86

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.106	1.056	1.145	1.091	1.219	1.398	1.422	1.205	12.35	
88)	Benzo(b)fluora...	1.286	1.260	1.336	1.322	1.288	1.217	1.238	1.278	3.37	
89)	Benzo(k)fluora...	1.186	1.162	1.374	1.240	1.134	1.205	1.115	1.202	7.21	
90) C	Benzo(a)pyrene	0.982	0.968	1.081	1.025	0.989	1.003	0.983	1.004	3.80	
91)	Dibenzo(a,h)an...	0.896	0.866	0.950	0.929	1.043	1.152	1.163	1.000	12.08	
92)	Benzo(g,h,i)pe...	0.875	0.827	0.913	0.895	1.086	1.161	1.180	0.991	14.81	

(#) = Out of Range