

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM120821.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Sun Dec 12 00:15:00 2021
 Response Via : Initial Calibration

Calibration Files

5 =BM033338.D 10 =BM033339.D 20 =BM033340.D 40 =BM033341.D 50 =BM033342.D 60 =BM033343.D 80 =BM033344.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.652	0.576	0.500	0.502	0.513	0.555	0.505	0.543	10.34
3) Pyridine	1.554	1.516	1.406	1.421	1.339	1.256	1.164	1.380	10.03
4) n-Nitrosodimet...	0.910	0.907	0.797	0.828	0.790	0.726	0.670	0.804	10.98
5) S 2-Fluorophenol	1.406	1.345	1.242	1.236	1.159	1.115	1.030	1.219	10.68
6) Aniline	2.197	2.141	1.955	1.944	1.837	1.708	1.589	1.910	11.48
7) S Phenol-d6	1.923	1.904	1.725	1.733	1.641	1.540	1.433	1.700	10.56
8) 2-Chlorophenol	1.452	1.426	1.300	1.322	1.247	1.165	1.089	1.286	10.22
9) Benzaldehyde	1.475	1.339	1.160	1.050	0.948			1.194	17.89
10) C Phenol	1.949	1.871	1.731	1.737	1.643	1.532	1.415	1.697	10.93
11) bis(2-Chloroet...	1.589	1.492	1.342	1.358	1.266	1.174	1.102	1.332	12.81
12) 1,3-Dichlorobe...	1.783	1.704	1.529	1.526	1.436	1.345	1.254	1.511	12.42
13) C 1,4-Dichlorobe...	1.789	1.702	1.580	1.571	1.463	1.366	1.279	1.536	11.75
14) 1,2-Dichlorobe...	1.787	1.670	1.532	1.510	1.441	1.337	1.239	1.502	12.46
15) Benzyl Alcohol	1.530	1.527	1.406	1.460	1.412	1.282	1.227	1.406	8.23
16) 2,2'-oxybis(1-...	2.838	2.701	2.373	2.357	2.240	2.050	1.909	2.353	14.08
17) 2-Methylphenol	1.321	1.276	1.172	1.172	1.125	1.036	0.984	1.155	10.44
18) Hexachloroethane	0.693	0.693	0.599	0.607	0.570	0.552	0.508	0.603	11.53
19) P n-Nitroso-di-n...	1.388	1.370	1.227	1.242	1.199	1.079	1.010	1.217	11.40
20) 3+4-Methylphenols	1.704	1.725	1.584	1.622	1.561	1.424	1.355	1.568	8.73
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.602	0.584	0.544	0.543	0.539	0.501	0.476	0.541	8.07
23) S Nitrobenzene-d5	0.515	0.510	0.474	0.476	0.465	0.439	0.418	0.471	7.43
24) Nitrobenzene	0.499	0.486	0.458	0.455	0.444	0.419	0.394	0.451	8.10
25) Isophorone	0.771	0.760	0.715	0.725	0.718	0.666	0.652	0.715	6.14
26) C 2-Nitrophenol	0.158	0.166	0.164	0.172	0.177	0.164	0.159	0.166	4.17
27) 2,4-Dimethylph...	0.279	0.276	0.264	0.270	0.269	0.249	0.241	0.264	5.26
28) bis(2-Chloroet...	0.521	0.490	0.450	0.449	0.446	0.413	0.395	0.452	9.53
29) C 2,4-Dichloroph...	0.317	0.322	0.305	0.314	0.309	0.292	0.279	0.305	4.93
30) 1,2,4-Trichlor...	0.423	0.377	0.364	0.354	0.353	0.333	0.313	0.360	9.72
31) Naphthalene	1.239	1.159	1.075	1.066	1.037	0.980	0.926	1.069	9.87
32) Benzoic acid	0.156	0.179	0.188	0.200	0.212	0.199	0.204	0.191	9.89
33) 4-Chloroaniline	0.434	0.450	0.420	0.421	0.412	0.386	0.378	0.414	6.18
34) C Hexachlorobuta...	0.264	0.244	0.226	0.225	0.222	0.212	0.197	0.227	9.53
35) Caprolactam	0.053	0.057	0.061	0.063	0.063	0.059	0.061	0.059	6.22
36) C 4-Chloro-3-met...	0.373	0.390	0.373	0.376	0.368	0.345	0.341	0.367	4.83
37) 2-Methylnaphth...	0.825	0.782	0.736	0.730	0.724	0.668	0.648	0.731	8.35
38) 1-Methylnaphth...	0.822	0.794	0.726	0.711	0.705	0.657	0.630	0.721	9.54

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.681	0.638	0.581	0.577	0.596	0.560	0.504	0.591	9.53
41) P	Hexachlorocycl...	0.298	0.307	0.299	0.327	0.348	0.328	0.297	0.315	6.22
42) S	2,4,6-Tribromo...	0.209	0.220	0.221	0.218	0.220	0.209	0.200	0.214	3.82
43) C	2,4,6-Trichlor...	0.391	0.410	0.388	0.397	0.413	0.383	0.357	0.391	4.85
44)	2,4,5-Trichlor...	0.431	0.436	0.413	0.429	0.437	0.409	0.382	0.419	4.74
45) S	2-Fluorobiphenyl	1.684	1.579	1.425	1.414	1.446	1.344	1.229	1.446	10.32
46)	1,1'-Biphenyl	1.753	1.651	1.504	1.497	1.525	1.424	1.309	1.523	9.51
47)	2-Chloronaphth...	1.308	1.271	1.165	1.154	1.171	1.100	1.010	1.168	8.56
48)	2-Nitroaniline	0.393	0.413	0.409	0.427	0.443	0.414	0.400	0.414	4.03
49)	Acenaphthylene	2.003	1.967	1.850	1.838	1.848	1.741	1.619	1.838	7.08
50)	Dimethylphthalate	1.613	1.545	1.470	1.442	1.448	1.368	1.285	1.453	7.42
51)	2,6-Dinitrotol...	0.308	0.311	0.293	0.299	0.305	0.288	0.272	0.296	4.56
52) C	Acenaphthene	1.263	1.204	1.115	1.093	1.111	1.046	0.968	1.114	8.72
53)	3-Nitroaniline	0.277	0.303	0.310	0.322	0.331	0.312	0.306	0.309	5.51
54) P	2,4-Dinitrophenol	0.124	0.150	0.172	0.183	0.176	0.180	0.164		14.04
55)	Dibenzofuran	2.075	2.015	1.870	1.831	1.840	1.721	1.614	1.852	8.57
56) P	4-Nitrophenol	0.167	0.205	0.238	0.257	0.261	0.255	0.249	0.233	14.83
57)	2,4-Dinitrotol...	0.348	0.384	0.400	0.411	0.412	0.397	0.382	0.391	5.66
58)	Fluorene	1.621	1.574	1.485	1.433	1.448	1.358	1.286	1.458	7.97
59)	2,3,4,6-Tetrac...	0.363	0.387	0.368	0.364	0.372	0.352	0.334	0.363	4.59
60)	Diethylphthalate	1.567	1.550	1.511	1.441	1.465	1.386	1.334	1.465	5.81
61)	4-Chlorophenyl...	0.834	0.821	0.742	0.727	0.738	0.686	0.652	0.743	8.90
62)	4-Nitroaniline	0.268	0.312	0.340	0.348	0.342	0.333	0.328	0.324	8.53
63)	Azobenzene	1.772	1.809	1.728	1.699	1.704	1.603	1.529	1.692	5.71
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.087	0.102	0.112	0.122	0.126	0.124	0.118	0.113	12.58
66) c	n-Nitrosodiphe...	0.665	0.655	0.596	0.612	0.614	0.572	0.526	0.606	7.85
67)	4-Bromophenyl-...	0.235	0.231	0.207	0.211	0.208	0.197	0.182	0.210	8.73
68)	Hexachlorobenzene	0.265	0.247	0.224	0.227	0.225	0.211	0.196	0.228	9.90
69)	Atrazine	0.132	0.133	0.130	0.132	0.122	0.114	0.103	0.124	9.42
70) C	Pentachlorophenol	0.107	0.115	0.122	0.136	0.138	0.131	0.127	0.125	9.12
71)	Phenanthrene	1.259	1.220	1.129	1.125	1.101	1.038	0.967	1.120	8.92
72)	Anthracene	1.207	1.175	1.086	1.112	1.087	1.029	0.961	1.094	7.61
73)	Carbazole	1.094	1.125	1.073	1.077	1.057	1.004	0.948	1.054	5.65
74)	Di-n-butylphth...	1.112	1.175	1.166	1.200	1.178	1.139	1.102	1.153	3.16
75) C	Fluoranthene	1.332	1.331	1.287	1.268	1.217	1.173	1.104	1.245	6.82
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.324	0.306	0.266	0.275	0.252	0.244	0.220	0.270	13.29
78)	Pyrene	1.553	1.541	1.371	1.385	1.429	1.303	1.222	1.401	8.57
79) S	Terphenyl-d14	1.239	1.191	1.066	1.058	1.082	0.996	0.923	1.080	10.02
80)	Butylbenzylpht...	0.504	0.538	0.554	0.572	0.592	0.561	0.545	0.552	5.00
81)	Benzo(a)anthra...	1.467	1.429	1.311	1.298	1.306	1.227	1.156	1.313	8.19
82)	3,3'-Dichlorob...	0.658	0.647	0.614	0.605	0.587	0.545	0.509	0.595	8.97
83)	Chrysene	1.470	1.387	1.279	1.251	1.245	1.150	1.102	1.269	10.03
84)	Bis(2-ethylhex...	0.723	0.761	0.768	0.791	0.818	0.784	0.766	0.773	3.77
85) c	Di-n-octyl pht...	1.211	1.263	1.288	1.311	1.355	1.309	1.288	1.289	3.46

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.547	1.474	1.366	1.376	1.344	1.289	1.207	1.372	8.22	
88)	Benzo(b)fluora...	1.414	1.374	1.254	1.247	1.238	1.201	1.086	1.259	8.66	
89)	Benzo(k)fluora...	1.390	1.356	1.253	1.263	1.223	1.140	1.083	1.244	8.78	
90) C	Benzo(a)pyrene	1.142	1.119	1.028	1.053	1.037	0.986	0.914	1.040	7.41	
91)	Dibenzo(a,h)an...	1.308	1.249	1.145	1.162	1.138	1.080	1.021	1.157	8.36	
92)	Benzo(g,h,i)pe...	1.284	1.202	1.115	1.134	1.115	1.074	1.001	1.132	8.02	

(#) = Out of Range