

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM043021.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Apr 29 17:34:54 2021
 Response Via : Initial Calibration

Calibration Files

5 =BM029706.D 10 =BM029707.D 20 =BM029708.D 40 =BM029709.D 50 =BM029710.D 60 =BM029711.D 80 =BM029712.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.393	0.353	0.383	0.375	0.353	0.351	0.341	0.364	5.31
3) Pyridine	0.687	0.633	0.789	0.752	0.732	0.733	0.745	0.724	6.98
4) n-Nitrosodimet...	0.343	0.354	0.366	0.357	0.366	0.386	0.360	0.362	3.67
5) S 2-Fluorophenol	0.989	0.945	1.065	0.954	0.968	0.908	0.886	0.959	6.07
6) Aniline	1.418	1.399	1.532	1.410	1.420	1.355	1.291	1.404	5.19
7) S Phenol-d6	1.319	1.298	1.409	1.307	1.325	1.259	1.201	1.303	4.89
8) 2-Chlorophenol	1.203	1.200	1.282	1.178	1.177	1.127	1.082	1.178	5.32
9) Benzaldehyde	0.551	0.566	0.567	0.502	0.505	0.460	0.410	0.509	11.47
10) C Phenol	1.272	1.257	1.344	1.253	1.261	1.186	1.144	1.245	5.15
11) bis(2-Chloroet...	0.964	1.048	1.030	0.955	0.989	0.944	0.909	0.977	5.01
12) 1,3-Dichlorobe...	1.500	1.461	1.554	1.424	1.378	1.370	1.315	1.429	5.78
13) C 1,4-Dichlorobe...	1.493	1.491	1.609	1.463	1.445	1.404	1.311	1.459	6.24
14) 1,2-Dichlorobe...	1.523	1.467	1.577	1.396	1.402	1.354	1.300	1.431	6.79
15) Benzyl Alcohol	0.954	0.839	0.979	0.906	0.930	0.897	0.869	0.910	5.31
16) 2,2'-oxybis(1-...	1.170	1.113	1.179	1.009	1.051	0.976	0.909	1.058	9.60
17) 2-Methylphenol	0.866	0.900	0.993	0.882	0.899	0.863	0.816	0.888	6.09
18) Hexachloroethane	0.517	0.513	0.555	0.513	0.514	0.484	0.472	0.510	5.20
19) P n-Nitroso-di-n...	0.803	0.863	0.913	0.850	0.849	0.829	0.776	0.841	5.25
20) 3+4-Methylphenols	1.147	1.166	1.299	1.213	1.207	1.190	1.119	1.191	4.87
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.432	0.439	0.475	0.454	0.450	0.463	0.443	0.451	3.22
23) S Nitrobenzene-d5	0.324	0.334	0.366	0.351	0.348	0.357	0.343	0.346	4.07
24) Nitrobenzene	0.335	0.343	0.380	0.349	0.345	0.349	0.339	0.349	4.22
25) Isophorone	0.605	0.617	0.691	0.653	0.627	0.657	0.627	0.640	4.58
26) C 2-Nitrophenol	0.150	0.168	0.193	0.183	0.186	0.192	0.187	0.180	8.72
27) 2,4-Dimethylph...	0.239	0.251	0.275	0.261	0.253	0.263	0.250	0.256	4.53
28) bis(2-Chloroet...	0.313	0.340	0.359	0.347	0.342	0.348	0.332	0.340	4.25
29) C 2,4-Dichloroph...	0.318	0.332	0.380	0.361	0.360	0.368	0.355	0.353	5.99
30) 1,2,4-Trichlor...	0.412	0.424	0.460	0.426	0.428	0.434	0.421	0.429	3.54
31) Naphthalene	1.015	1.024	1.112	1.012	1.008	1.014	0.978	1.023	4.09
32) Benzoic acid	0.114	0.166	0.193	0.197	0.212	0.206	0.181	0.181	20.22
33) 4-Chloroaniline	0.356	0.374	0.424	0.399	0.396	0.402	0.385	0.391	5.59
34) C Hexachlorobuta...	0.290	0.296	0.319	0.304	0.296	0.305	0.306	0.302	3.06
35) Caprolactam	0.066	0.079	0.092	0.091	0.089	0.096	0.087	0.086	11.98
36) C 4-Chloro-3-met...	0.279	0.293	0.323	0.314	0.308	0.321	0.301	0.306	5.21
37) 2-Methylnaphth...	0.757	0.776	0.839	0.795	0.779	0.797	0.765	0.787	3.46
38) 1-Methylnaphth...	0.734	0.754	0.806	0.746	0.738	0.749	0.718	0.749	3.68

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.657	0.674	0.764	0.746	0.796	0.732	0.741	0.730	6.67
41) P	Hexachlorocycl...	0.263	0.346	0.377	0.415	0.390	0.407	0.366		15.39
42) S	2,4,6-Tribromo...	0.272	0.299	0.326	0.327	0.330	0.337	0.332	0.318	7.40
43) C	2,4,6-Trichlor...	0.368	0.423	0.489	0.484	0.516	0.478	0.483	0.463	10.86
44)	2,4,5-Trichlor...	0.419	0.470	0.528	0.516	0.519	0.517	0.511	0.497	7.90
45) S	2-Fluorobiphenyl	1.410	1.533	1.646	1.562	1.549	1.547	1.548	1.542	4.49
46)	1,1'-Biphenyl	1.413	1.533	1.604	1.526	1.503	1.498	1.494	1.510	3.77
47)	2-Chloronaphth...	1.149	1.218	1.297	1.235	1.218	1.210	1.201	1.218	3.61
48)	2-Nitroaniline	0.198	0.234	0.271	0.264	0.266	0.275	0.256	0.252	10.84
49)	Acenaphthylene	1.757	1.829	1.967	1.865	1.832	1.838	1.790	1.840	3.59
50)	Dimethylphthalate	1.518	1.529	1.584	1.537	1.523	1.532	1.469	1.527	2.20
51)	2,6-Dinitrotol...	0.301	0.344	0.371	0.357	0.354	0.355	0.341	0.346	6.41
52) C	Acenaphthene	1.109	1.120	1.208	1.149	1.142	1.139	1.113	1.140	2.94
53)	3-Nitroaniline	0.218	0.252	0.294	0.288	0.288	0.297	0.285	0.275	10.50
54) P	2,4-Dinitrophenol	0.127	0.188	0.210	0.213	0.225	0.226	0.198		18.83
55)	Dibenzofuran	1.891	1.789	2.046	1.954	1.939	1.943	1.883	1.921	4.09
56) P	4-Nitrophenol	0.160	0.216	0.236	0.238	0.250	0.235	0.222		14.62
57)	2,4-Dinitrotol...	0.359	0.391	0.498	0.478	0.477	0.486	0.465	0.451	11.85
58)	Fluorene	1.501	1.552	1.652	1.595	1.600	1.599	1.542	1.577	3.12
59)	2,3,4,6-Tetrac...	0.423	0.420	0.491	0.470	0.480	0.475	0.475	0.462	6.10
60)	Diethylphthalate	1.427	1.480	1.558	1.517	1.513	1.523	1.441	1.494	3.16
61)	4-Chlorophenyl...	0.835	0.854	0.908	0.882	0.892	0.895	0.879	0.878	2.87
62)	4-Nitroaniline	0.213	0.236	0.294	0.294	0.307	0.317	0.294	0.279	13.90
63)	Azobenzene	1.125	1.199	1.319	1.236	1.261	1.241	1.176	1.222	5.12
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.115	0.138	0.146	0.139	0.145	0.151	0.139		9.00
66) c	n-Nitrosodiphe...	0.583	0.574	0.615	0.617	0.581	0.586	0.604	0.594	2.94
67)	4-Bromophenyl-...	0.228	0.236	0.243	0.248	0.233	0.232	0.246	0.238	3.25
68)	Hexachlorobenzene	0.266	0.262	0.273	0.271	0.262	0.257	0.271	0.266	2.21
69)	Atrazine	0.210	0.221	0.246	0.241	0.233	0.230	0.232	0.230	5.14
70) C	Pentachlorophenol	0.122	0.142	0.158	0.169	0.166	0.167	0.172	0.157	11.57
71)	Phenanthrene	1.107	1.109	1.211	1.118	1.121	1.128	1.094	1.127	3.45
72)	Anthracene	1.054	1.085	1.209	1.117	1.129	1.147	1.092	1.119	4.49
73)	Carbazole	0.929	0.984	1.091	1.008	1.028	1.045	0.979	1.009	5.17
74)	Di-n-butylphth...	1.088	1.125	1.272	1.210	1.231	1.251	1.173	1.193	5.67
75) C	Fluoranthene	1.274	1.357	1.488	1.394	1.394	1.432	1.349	1.384	4.90
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.279	0.384	0.362	0.388	0.417	0.389	0.370		12.92
78)	Pyrene	1.225	1.254	1.490	1.193	1.317	1.226	1.273	1.283	7.76
79) S	Terphenyl-d14	0.991	1.048	1.245	1.022	1.136	1.075	1.111	1.090	7.77
80)	Butylbenzylpht...	0.445	0.470	0.562	0.466	0.506	0.488	0.487	0.489	7.69
81)	Benzo(a)anthra...	1.237	1.283	1.405	1.298	1.309	1.300	1.277	1.301	3.94
82)	3,3'-Dichlorob...	0.377	0.401	0.442	0.414	0.434	0.424	0.403	0.414	5.31
83)	Chrysene	1.251	1.283	1.387	1.280	1.316	1.271	1.251	1.291	3.68
84)	Bis(2-ethylhex...	0.700	0.739	0.840	0.796	0.828	0.780	0.773	0.780	6.25
85) c	Di-n-octyl pht...	1.222	1.220	1.412	1.338	1.373	1.304	1.295	1.309	5.52

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.426	1.466	1.593	1.584	1.505	1.545	1.480	1.514	4.12	
88)	Benzo(b)fluora...	1.236	1.258	1.445	1.323	1.327	1.310	1.360	1.323	5.18	
89)	Benzo(k)fluora...	1.251	1.272	1.335	1.247	1.287	1.336	1.244	1.282	3.10	
90) C	Benzo(a)pyrene	1.166	1.177	1.274	1.217	1.218	1.222	1.201	1.211	2.93	
91)	Dibenzo(a,h)an...	1.230	1.273	1.365	1.360	1.301	1.333	1.286	1.307	3.75	
92)	Benzo(g,h,i)pe...	1.195	1.274	1.284	1.278	1.214	1.202	1.188	1.234	3.50	

(#) = Out of Range