

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM110221.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Nov 02 16:07:18 2021
 Response Via : Initial Calibration

Calibration Files

5 =BM032847.D 10 =BM032848.D 20 =BM032849.D 40 =BM032850.D 50 =BM032851.D 60 =BM032852.D 80 =BM032853.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.642	0.541	0.495	0.473	0.437	0.434	0.406	0.490	16.45
3) Pyridine	1.584	1.430	1.369	1.348	1.260	1.265	1.152	1.344	10.34
4) n-Nitrosodimet...	0.661	0.596	0.575	0.568	0.536	0.543	0.513	0.570	8.55
5) S 2-Fluorophenol	1.330	1.223	1.191	1.135	1.075	1.077	1.000	1.147	9.61
6) Aniline	2.118	2.006	1.949	1.933	1.808	1.824	1.714	1.907	7.11
7) S Phenol-d6	1.956	1.819	1.761	1.724	1.614	1.605	1.480	1.708	9.20
8) 2-Chlorophenol	1.550	1.414	1.367	1.332	1.260	1.261	1.173	1.337	9.22
9) Benzaldehyde	1.164	1.075	1.005	0.895	0.842	0.804		0.964	14.63
10) C Phenol	1.859	1.733	1.672	1.660	1.565	1.555	1.434	1.640	8.38
11) bis(2-Chloroet...	1.518	1.366	1.309	1.298	1.222	1.225	1.124	1.295	9.68
12) 1,3-Dichlorobe...	1.784	1.587	1.516	1.444	1.372	1.368	1.266	1.477	11.61
13) C 1,4-Dichlorobe...	1.838	1.631	1.535	1.494	1.405	1.398	1.290	1.513	11.92
14) 1,2-Dichlorobe...	1.779	1.621	1.535	1.466	1.385	1.364	1.271	1.489	11.56
15) Benzyl Alcohol	1.259	1.218	1.236	1.258	1.201	1.214	1.126	1.216	3.74
16) 2,2'-oxybis(1-...	2.254	2.029	1.914	1.842	1.705	1.712	1.570	1.861	12.36
17) 2-Methylphenol	1.283	1.207	1.175	1.162	1.105	1.109	1.022	1.152	7.25
18) Hexachloroethane	0.613	0.559	0.547	0.527	0.508	0.513	0.479	0.535	8.06
19) P n-Nitroso-di-n...	1.176	1.150	1.091	1.057	0.988	0.983	0.877	1.046	10.00
20) 3+4-Methylphenols	1.726	1.679	1.642	1.630	1.512	1.496	1.351	1.577	8.25
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.554	0.523	0.504	0.489	0.458	0.463	0.429	0.489	8.67
23) S Nitrobenzene-d5	0.386	0.376	0.370	0.370	0.353	0.361	0.341	0.365	4.07
24) Nitrobenzene	0.364	0.356	0.354	0.355	0.340	0.349	0.333	0.350	3.03
25) Isophorone	0.676	0.667	0.653	0.653	0.625	0.638	0.608	0.646	3.70
26) C 2-Nitrophenol	0.140	0.149	0.162	0.174	0.170	0.177	0.172	0.163	8.62
27) 2,4-Dimethylph...	0.289	0.276	0.271	0.273	0.258	0.266	0.250	0.269	4.62
28) bis(2-Chloroet...	0.489	0.458	0.438	0.429	0.404	0.413	0.390	0.431	7.84
29) C 2,4-Dichloroph...	0.316	0.313	0.315	0.314	0.300	0.310	0.291	0.308	3.05
30) 1,2,4-Trichlor...	0.390	0.364	0.345	0.337	0.323	0.329	0.311	0.343	7.81
31) Naphthalene	1.194	1.113	1.049	1.026	0.971	0.988	0.925	1.038	8.78
32) Benzoic acid		0.157	0.206	0.235	0.228	0.242	0.237	0.217	14.84
33) 4-Chloroaniline	0.463	0.449	0.439	0.436	0.416	0.427	0.405	0.433	4.54
34) C Hexachlorobuta...	0.239	0.219	0.212	0.204	0.196	0.200	0.188	0.208	8.04
35) Caprolactam	0.096	0.103	0.104	0.106	0.104	0.107	0.104	0.103	3.55
36) C 4-Chloro-3-met...	0.365	0.366	0.356	0.360	0.342	0.349	0.331	0.353	3.60
37) 2-Methylnaphth...	0.843	0.780	0.735	0.727	0.684	0.695	0.643	0.730	9.07
38) 1-Methylnaphth...	0.841	0.785	0.735	0.714	0.667	0.677	0.634	0.722	10.00

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.619	0.597	0.565	0.550	0.518	0.524	0.497	0.553	7.97
41) P	Hexachlorocycl...	0.262	0.276	0.292	0.310	0.296	0.300	0.297	0.290	5.57
42) S	2,4,6-Tribromo...	0.247	0.241	0.231	0.224	0.213	0.213	0.200	0.224	7.49
43) C	2,4,6-Trichlor...	0.389	0.382	0.393	0.399	0.381	0.389	0.376	0.387	2.01
44)	2,4,5-Trichlor...	0.455	0.430	0.433	0.431	0.416	0.422	0.407	0.428	3.58
45) S	2-Fluorobiphenyl	1.581	1.439	1.343	1.273	1.174	1.155	1.061	1.290	13.95
46)	1,1'-Biphenyl	1.691	1.541	1.465	1.442	1.344	1.356	1.278	1.445	9.64
47)	2-Chloronaphth...	1.268	1.166	1.121	1.104	1.050	1.055	1.004	1.110	7.90
48)	2-Nitroaniline	0.277	0.302	0.332	0.350	0.338	0.345	0.339	0.326	8.22
49)	Acenaphthylene	1.967	1.870	1.822	1.800	1.693	1.696	1.615	1.780	6.77
50)	Dimethylphthalate	1.677	1.564	1.474	1.443	1.360	1.371	1.297	1.455	8.98
51)	2,6-Dinitrotol...	0.292	0.298	0.303	0.306	0.294	0.299	0.290	0.297	1.94
52) C	Acenaphthene	1.233	1.151	1.079	1.045	0.985	0.995	0.936	1.060	9.73
53)	3-Nitroaniline	0.290	0.311	0.328	0.342	0.330	0.339	0.327	0.324	5.60
54) P	2,4-Dinitrophenol	0.125	0.162	0.192	0.192	0.202	0.204	0.179		17.15
55)	Dibenzofuran	2.098	1.944	1.826	1.769	1.640	1.645	1.540	1.780	10.88
56) P	4-Nitrophenol	0.219	0.243	0.268	0.283	0.275	0.280	0.277	0.264	9.06
57)	2,4-Dinitrotol...	0.369	0.388	0.414	0.428	0.410	0.414	0.399	0.403	4.84
58)	Fluorene	1.651	1.512	1.385	1.311	1.203	1.191	1.091	1.335	14.74
59)	2,3,4,6-Tetrac...	0.422	0.405	0.383	0.390	0.365	0.369	0.348	0.383	6.55
60)	Diethylphthalate	1.652	1.544	1.484	1.451	1.364	1.398	1.317	1.459	7.82
61)	4-Chlorophenyl...	0.861	0.780	0.710	0.664	0.615	0.604	0.706		14.14
62)	4-Nitroaniline	0.292	0.326	0.346	0.364	0.350	0.357	0.347	0.340	7.17
63)	Azobenzene	1.505	1.465	1.444	1.414	1.326	1.347	1.269	1.396	6.05
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.104	0.122	0.132	0.131	0.136	0.131	0.126		9.19
66) c	n-Nitrosodiphe...	0.668	0.638	0.606	0.576	0.557	0.555	0.506	0.586	9.39
67)	4-Bromophenyl-...	0.233	0.220	0.211	0.203	0.195	0.196	0.181	0.206	8.39
68)	Hexachlorobenzene	0.259	0.248	0.230	0.221	0.213	0.211	0.194	0.225	9.98
69)	Atrazine	0.213	0.212	0.204	0.201	0.188	0.187	0.173	0.197	7.63
70) C	Pentachlorophenol	0.126	0.137	0.145	0.148	0.145	0.148	0.138	0.141	5.60
71)	Phenanthrene	1.271	1.177	1.102	1.040	0.977	0.973	0.883	1.060	12.54
72)	Anthracene	1.186	1.153	1.085	1.045	0.987	0.973	0.897	1.047	9.83
73)	Carbazole	1.190	1.136	1.082	1.052	0.982	0.972	0.888	1.043	9.94
74)	Di-n-butylphth...	1.179	1.186	1.187	1.172	1.130	1.119	1.035	1.144	4.84
75) C	Fluoranthene	1.445	1.359	1.268	1.203	1.135	1.111	0.996	1.217	12.64
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.568	0.526	0.526	0.683	0.535	0.530	0.469	0.548	12.08
78)	Pyrene	1.513	1.412	1.372	1.322	1.277	1.276	1.206	1.340	7.61
79) S	Terphenyl-d14	1.100	1.014	0.913	0.851	0.848	0.771	0.916		13.21
80)	Butylbenzylpht...	0.479	0.509	0.549	0.557	0.549	0.570	0.557	0.539	6.03
81)	Benzo(a)anthra...	1.464	1.361	1.314	1.268	1.188	1.201	1.137	1.276	8.85
82)	3,3'-Dichlorob...	0.442	0.426	0.425	0.407	0.380	0.380	0.344	0.401	8.55
83)	Chrysene	1.485	1.359	1.291	1.220	1.156	1.167	1.096	1.254	10.73
84)	Bis(2-ethylhex...	0.697	0.724	0.756	0.744	0.715	0.723	0.670	0.718	3.96
85) c	Di-n-octyl pht...	1.170	1.210	1.283	1.342	1.315	1.361	1.287	1.281	5.40

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.494	1.367	1.248	1.273	1.155	1.102	1.015	1.236	13.17	
88)	Benzo(b)fluora...	1.412	1.308	1.238	1.170	1.146	1.133	1.117	1.218	8.93	
89)	Benzo(k)fluora...	1.391	1.291	1.265	1.158	1.073	1.106	1.024	1.187	11.15	
90) C	Benzo(a)pyrene	1.131	1.064	1.042	1.001	0.952	0.954	0.899	1.006	7.85	
91)	Dibenzo(a,h)an...	1.239	1.145	1.045	1.064	0.959	0.915	0.838	1.029	13.34	
92)	Benzo(g,h,i)pe...	1.215	1.122	1.015	1.079	0.968	0.916	0.853	1.024	12.17	

(#) = Out of Range