

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM090821.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Sep 08 19:23:17 2021
 Response Via : Initial Calibration

Calibration Files

5 =BM032095.D 10 =BM032096.D 20 =BM032097.D 40 =BM032098.D 50 =BM032099.D 60 =BM032100.D 80 =BM032101.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.624	0.573	0.518	0.464	0.471	0.474	0.428	0.507	13.59
3) Pyridine	1.276	1.461	1.350	1.271	1.315	1.315	1.272	1.323	5.11
4) n-Nitrosodimet...	0.674	0.767	0.715	0.672	0.666	0.680	0.658	0.690	5.55
5) S 2-Fluorophenol	1.110	1.263	1.138	1.073	1.074	1.111	1.077	1.121	5.98
6) Aniline	1.872	2.167	1.904	1.833	1.834	1.812	1.782	1.886	6.89
7) S Phenol-d6	1.685	1.921	1.719	1.632	1.673	1.670	1.636	1.705	5.85
8) 2-Chlorophenol	1.241	1.365	1.278	1.219	1.208	1.236	1.217	1.252	4.38
9) Benzaldehyde	1.317	1.434	1.157	0.980	0.884	0.884		1.109	20.91
10) C Phenol	1.704	1.978	1.735	1.664	1.683	1.688	1.653	1.729	6.52
11) bis(2-Chloroet...	1.255	1.580	1.338	1.250	1.249	1.247	1.218	1.305	9.72
12) 1,3-Dichlorobe...	1.676	1.804	1.582	1.449	1.469	1.455	1.403	1.548	9.46
13) C 1,4-Dichlorobe...	1.665	1.824	1.590	1.477	1.499	1.493	1.425	1.568	8.82
14) 1,2-Dichlorobe...	1.624	1.773	1.556	1.446	1.457	1.463	1.415	1.533	8.36
15) Benzyl Alcohol	1.192	1.513	1.323	1.312	1.345	1.338	1.369	1.342	7.07
16) 2,2'-oxybis(1-...	1.968	2.226	1.883	1.768	1.789	1.787	1.732	1.879	9.19
17) 2-Methylphenol	1.132	1.338	1.160	1.119	1.123	1.128	1.106	1.158	6.99
18) Hexachloroethane	0.604	0.667	0.591	0.565	0.567	0.573	0.563	0.590	6.31
19) P n-Nitroso-di-n...	1.239	1.439	1.228	1.204	1.211	1.204	1.206	1.247	6.87
20) 3+4-Methylphenols	1.447	1.701	1.533	1.501	1.519	1.506	1.531	1.534	5.16
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.578	0.642	0.575	0.537	0.562	0.582	0.559	0.576	5.63
23) S Nitrobenzene-d5	0.400	0.478	0.452	0.433	0.453	0.470	0.456	0.449	5.76
24) Nitrobenzene	0.451	0.531	0.482	0.454	0.470	0.491	0.469	0.478	5.70
25) Isophorone	0.799	0.952	0.831	0.781	0.815	0.831	0.826	0.833	6.66
26) C 2-Nitrophenol	0.076	0.091	0.089	0.095	0.108			0.092	12.36
27) 2,4-Dimethylph...	0.276	0.312	0.277	0.260	0.268	0.278	0.274	0.278	5.88
28) bis(2-Chloroet...	0.416	0.463	0.415	0.392	0.409	0.414	0.412	0.417	5.23
29) C 2,4-Dichloroph...	0.249	0.318	0.283	0.300	0.311	0.324	0.327	0.302	9.18
30) 1,2,4-Trichlor...	0.419	0.459	0.417	0.382	0.394	0.404	0.394	0.410	6.19
31) Naphthalene	1.148	1.262	1.131	1.036	1.075	1.104	1.075	1.119	6.56
32) Benzoic acid		0.086	0.082	0.096	0.106	0.111		0.096	13.14
33) 4-Chloroaniline	0.419	0.479	0.430	0.407	0.420	0.427	0.428	0.430	5.32
34) C Hexachlorobuta...	0.282	0.309	0.281	0.255	0.266	0.271	0.262	0.275	6.46
35) Caprolactam	0.062	0.083	0.083	0.083	0.084	0.089	0.096	0.083	12.74
36) C 4-Chloro-3-met...	0.309	0.387	0.349	0.338	0.353	0.362	0.378	0.354	7.33
37) 2-Methylnaphth...	0.823	0.927	0.812	0.747	0.771	0.798	0.796	0.810	7.07
38) 1-Methylnaphth...	0.767	0.881	0.769	0.715	0.729	0.755	0.749	0.766	7.10

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.690	0.739	0.669	0.630	0.653	0.667	0.636	0.669	5.50
41) P	Hexachlorocycl...	0.159	0.171	0.199	0.224	0.241	0.244	0.206		17.45
42) S	2,4,6-Tribromo...	0.138	0.154	0.143	0.147	0.158	0.176	0.195	0.159	12.75
43) C	2,4,6-Trichlor...	0.231	0.270	0.251	0.259	0.284	0.295	0.312	0.272	10.12
44)	2,4,5-Trichlor...	0.271	0.303	0.321	0.335	0.363	0.391	0.331		12.93
45) S	2-Fluorobiphenyl	1.542	1.703	1.535	1.426	1.493	1.520	1.458	1.525	5.82
46)	1,1'-Biphenyl	1.544	1.700	1.532	1.434	1.484	1.523	1.463	1.526	5.66
47)	2-Chloronaphth...	1.229	1.376	1.234	1.162	1.223	1.246	1.192	1.237	5.45
48)	2-Nitroaniline	0.222	0.291	0.289	0.317	0.345	0.366	0.369	0.314	16.54
49)	Acenaphthylene	1.789	2.034	1.861	1.769	1.827	1.880	1.826	1.855	4.72
50)	Dimethylphthalate	1.448	1.648	1.462	1.360	1.399	1.446	1.403	1.452	6.43
51)	2,6-Dinitrotol...	0.222	0.302	0.289	0.297	0.309	0.327	0.320	0.295	11.78
52) C	Acenaphthene	1.157	1.296	1.150	1.081	1.127	1.147	1.111	1.153	5.94
53)	3-Nitroaniline	0.188	0.253	0.248	0.260	0.277	0.293	0.290	0.258	13.74
54) P	2,4-Dinitrophenol	0.071	0.068	0.079	0.088	0.095	0.100	0.084		15.38
55)	Dibenzofuran	1.970	2.128	1.942	1.796	1.870	1.907	1.841	1.922	5.64
56) P	4-Nitrophenol	0.125	0.125	0.133	0.149	0.160	0.175	0.144		14.03
57)	2,4-Dinitrotol...	0.213	0.335	0.349	0.371	0.402	0.427	0.436	0.362	20.93
58)	Fluorene	1.502	1.691	1.522	1.410	1.460	1.503	1.483	1.510	5.82
59)	2,3,4,6-Tetrac...	0.221	0.260	0.240	0.214	0.232	0.241	0.284	0.242	9.92
60)	Diethylphthalate	1.322	1.559	1.421	1.331	1.391	1.433	1.414	1.410	5.59
61)	4-Chlorophenyl...	0.830	0.898	0.819	0.753	0.785	0.808	0.785	0.811	5.68
62)	4-Nitroaniline	0.130	0.210	0.220	0.224	0.258	0.277	0.268	0.227	21.97
63)	Azobenzene	1.503	1.829	1.692	1.571	1.639	1.682	1.625	1.649	6.24
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.060	0.058	0.064	0.069	0.074	0.076	0.067		11.37
66) c	n-Nitrosodiphe...	0.640	0.715	0.645	0.619	0.637	0.665	0.661	0.655	4.71
67)	4-Bromophenyl-...	0.225	0.260	0.230	0.223	0.231	0.239	0.239	0.235	5.31
68)	Hexachlorobenzene	0.265	0.301	0.264	0.247	0.255	0.269	0.261	0.266	6.44
69)	Atrazine	0.185	0.226	0.208	0.200	0.197	0.201	0.189	0.201	6.69
70) C	Pentachlorophenol	0.073	0.087	0.089	0.087	0.089	0.095	0.090	0.087	7.66
71)	Phenanthrene	1.165	1.287	1.152	1.061	1.084	1.150	1.110	1.144	6.47
72)	Anthracene	1.070	1.224	1.126	1.047	1.096	1.155	1.111	1.118	5.24
73)	Carbazole	0.988	1.146	1.058	0.965	0.989	1.051	0.994	1.027	6.12
74)	Di-n-butylphth...	0.866	1.102	1.080	1.037	1.088	1.168	1.132	1.068	9.18
75) C	Fluoranthene	1.255	1.420	1.332	1.194	1.222	1.304	1.198	1.275	6.47
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.380	0.378	0.329	0.330	0.430	0.369	0.363	0.368	9.33
78)	Pyrene	1.480	1.813	1.468	1.425	1.466	1.477	1.536	1.524	8.65
79) S	Terphenyl-d14	1.183	1.420	1.182	1.146	1.199	1.199	1.250	1.226	7.42
80)	Butylbenzylpht...	0.313	0.423	0.419	0.448	0.482	0.507	0.533	0.447	16.25
81)	Benzo(a)anthra...	1.300	1.548	1.353	1.254	1.297	1.328	1.298	1.340	7.21
82)	3,3'-Dichlorob...	0.315	0.415	0.381	0.359	0.375	0.382	0.356	0.369	8.34
83)	Chrysene	1.456	1.583	1.425	1.303	1.389	1.411	1.388	1.422	5.99
84)	Bis(2-ethylhex...	0.474	0.648	0.658	0.685	0.742	0.786	0.775	0.681	15.62
85) c	Di-n-octyl pht...	1.031	1.079	1.095	1.178	1.268	1.248	1.150		8.38

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.277	1.460	1.334	1.303	1.363	1.414	1.344	1.356		4.66
88)	Benzo(b)fluora...	1.314	1.523	1.338	1.274	1.320	1.313	1.286	1.338		6.29
89)	Benzo(k)fluora...	1.338	1.563	1.416	1.376	1.496	1.489	1.449	1.447		5.32
90) C	Benzo(a)pyrene	1.135	1.300	1.274	1.128	1.259	1.270	1.236	1.229		5.63
91)	Dibenzo(a,h)an...	1.083	1.269	1.162	1.115	1.191	1.213	1.153	1.169		5.30
92)	Benzo(g,h,i)pe...	1.130	1.248	1.145	1.098	1.151	1.193	1.141	1.158		4.19

(#) = Out of Range