

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM112421.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Nov 24 15:16:33 2021
 Response Via : Initial Calibration

Calibration Files

5 =BM033241.D 10 =BM033242.D 20 =BM033243.D 40 =BM033244.D 50 =BM033245.D 60 =BM033246.D 80 =BM033247.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.615	0.591	0.522	0.486	0.502	0.466	0.432	0.516	12.77
3) Pyridine	1.338	1.410	1.319	1.308	1.349	1.263	1.194	1.312	5.20
4) n-Nitrosodimet...	0.754	0.729	0.679	0.646	0.655	0.618	0.583	0.666	9.01
5) S 2-Fluorophenol	1.387	1.384	1.211	1.157	1.187	1.117	1.034	1.211	10.91
6) Aniline	1.994	2.069	1.848	1.787	1.817	1.695	1.575	1.826	9.20
7) S Phenol-d6	1.813	1.848	1.645	1.562	1.603	1.491	1.393	1.622	10.13
8) 2-Chlorophenol	1.438	1.468	1.252	1.210	1.238	1.156	1.065	1.261	11.53
9) Benzaldehyde	1.289	1.310	1.070	0.928	0.911			1.102	17.35
10) C Phenol	1.895	1.862	1.655	1.571	1.606	1.505	1.389	1.640	11.17
11) bis(2-Chloroet...	1.372	1.463	1.292	1.219	1.226	1.150	1.064	1.255	10.68
12) 1,3-Dichlorobe...	1.731	1.722	1.505	1.402	1.438	1.350	1.224	1.482	12.70
13) C 1,4-Dichlorobe...	1.800	1.765	1.536	1.432	1.452	1.368	1.257	1.516	13.28
14) 1,2-Dichlorobe...	1.700	1.675	1.451	1.382	1.396	1.318	1.211	1.448	12.45
15) Benzyl Alcohol	1.338	1.415	1.253	1.246	1.290	1.190	1.104	1.262	7.96
16) 2,2'-oxybis(1-...	2.598	2.639	2.271	2.132	2.128	1.978	1.825	2.224	13.63
17) 2-Methylphenol	1.167	1.264	1.088	1.055	1.085	0.996	0.925	1.083	10.21
18) Hexachloroethane	0.607	0.612	0.558	0.533	0.547	0.516	0.480	0.550	8.63
19) P n-Nitroso-di-n...	1.162	1.225	1.107	1.050	1.081	0.998	0.927	1.078	9.23
20) 3+4-Methylphenols	1.542	1.701	1.465	1.445	1.488	1.368	1.259	1.467	9.40
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.594	0.569	0.526	0.477	0.515	0.473	0.449	0.515	10.31
23) S Nitrobenzene-d5	0.471	0.470	0.442	0.409	0.435	0.407	0.382	0.431	7.77
24) Nitrobenzene	0.483	0.446	0.421	0.389	0.413	0.387	0.367	0.415	9.54
25) Isophorone	0.719	0.722	0.680	0.643	0.694	0.644	0.614	0.674	6.13
26) C 2-Nitrophenol	0.146	0.155	0.156	0.152	0.165	0.157	0.152	0.155	3.67
27) 2,4-Dimethylph...	0.294	0.283	0.272	0.251	0.267	0.250	0.234	0.264	7.88
28) bis(2-Chloroet...	0.495	0.480	0.439	0.418	0.439	0.412	0.390	0.439	8.52
29) C 2,4-Dichloroph...	0.311	0.319	0.302	0.290	0.310	0.288	0.276	0.299	5.07
30) 1,2,4-Trichlor...	0.411	0.393	0.360	0.331	0.355	0.329	0.309	0.355	10.23
31) Naphthalene	1.235	1.166	1.073	0.986	1.047	0.966	0.912	1.055	10.83
32) Benzoic acid		0.110	0.132	0.159	0.183	0.173	0.180	0.156	18.80
33) 4-Chloroaniline	0.438	0.433	0.410	0.392	0.415	0.386	0.367	0.406	6.29
34) C Hexachlorobuta...	0.263	0.241	0.219	0.203	0.216	0.203	0.191	0.220	11.27
35) Caprolactam	0.050	0.055	0.059	0.057	0.064	0.058	0.057	0.057	7.36
36) C 4-Chloro-3-met...	0.358	0.358	0.348	0.331	0.348	0.326	0.312	0.340	5.16
37) 2-Methylnaphth...	0.830	0.788	0.726	0.675	0.715	0.665	0.630	0.718	9.82
38) 1-Methylnaphth...	0.791	0.774	0.721	0.663	0.696	0.646	0.615	0.701	9.35

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.739	0.665	0.593	0.553	0.589	0.553	0.511	0.600	12.94
41) P	Hexachlorocycl...	0.292	0.299	0.281	0.296	0.317	0.305	0.296	0.298	3.67
42) S	2,4,6-Tribromo...	0.218	0.231	0.225	0.213	0.225	0.212	0.203	0.218	4.44
43) C	2,4,6-Trichlor...	0.394	0.402	0.386	0.373	0.394	0.380	0.356	0.383	4.06
44)	2,4,5-Trichlor...	0.452	0.451	0.422	0.402	0.430	0.406	0.377	0.420	6.47
45) S	2-Fluorobiphenyl	1.716	1.592	1.429	1.325	1.375	1.297	1.193	1.418	12.71
46)	1,1'-Biphenyl	1.775	1.699	1.514	1.404	1.462	1.385	1.287	1.504	11.66
47)	2-Chloronaphth...	1.345	1.280	1.157	1.079	1.129	1.065	0.988	1.149	10.87
48)	2-Nitroaniline	0.361	0.374	0.369	0.369	0.390	0.378	0.359	0.371	2.87
49)	Acenaphthylene	1.947	1.949	1.802	1.731	1.817	1.719	1.597	1.795	7.07
50)	Dimethylphthalate	1.619	1.578	1.437	1.337	1.406	1.327	1.247	1.421	9.54
51)	2,6-Dinitrotol...	0.285	0.301	0.283	0.280	0.296	0.280	0.267	0.285	3.96
52) C	Acenaphthene	1.292	1.203	1.114	1.034	1.092	1.031	0.954	1.103	10.36
53)	3-Nitroaniline	0.270	0.298	0.307	0.307	0.329	0.309	0.302	0.303	5.73
54) P	2,4-Dinitrophenol	0.127	0.136	0.149	0.163	0.161	0.162	0.150		10.14
55)	Dibenzofuran	2.133	2.035	1.867	1.727	1.784	1.698	1.592	1.834	10.50
56) P	4-Nitrophenol	0.196	0.222	0.251	0.251	0.273	0.259	0.249	0.243	10.55
57)	2,4-Dinitrotol...	0.350	0.368	0.372	0.373	0.398	0.380	0.368	0.373	3.91
58)	Fluorene	1.658	1.591	1.456	1.349	1.419	1.330	1.247	1.436	10.19
59)	2,3,4,6-Tetrac...	0.383	0.388	0.377	0.352	0.378	0.357	0.338	0.368	5.04
60)	Diethylphthalate	1.579	1.527	1.436	1.334	1.403	1.327	1.265	1.410	8.02
61)	4-Chlorophenyl...	0.853	0.812	0.741	0.686	0.721	0.675	0.635	0.732	10.59
62)	4-Nitroaniline	0.262	0.293	0.331	0.319	0.346	0.328	0.322	0.314	8.90
63)	Azobenzene	1.642	1.690	1.599	1.506	1.583	1.491	1.417	1.561	6.07
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.083	0.096	0.100	0.106	0.117	0.113	0.111	0.104	11.30
66) c	n-Nitrosodiphe...	0.663	0.649	0.584	0.560	0.583	0.550	0.517	0.587	8.94
67)	4-Bromophenyl-...	0.233	0.236	0.209	0.198	0.206	0.197	0.184	0.209	9.19
68)	Hexachlorobenzene	0.265	0.258	0.232	0.216	0.224	0.212	0.198	0.229	10.73
69)	Atrazine	0.135	0.129	0.125	0.123	0.125	0.116	0.105	0.123	7.83
70) C	Pentachlorophenol	0.123	0.131	0.134	0.137	0.146	0.141	0.135	0.135	5.61
71)	Phenanthrene	1.295	1.220	1.115	1.030	1.079	1.015	0.942	1.099	11.15
72)	Anthracene	1.169	1.157	1.080	1.014	1.062	0.996	0.946	1.061	7.77
73)	Carbazole	1.156	1.138	1.092	1.004	1.061	0.997	0.936	1.055	7.59
74)	Di-n-butylphth...	1.091	1.117	1.119	1.059	1.148	1.094	1.044	1.096	3.26
75) C	Fluoranthene	1.434	1.362	1.317	1.191	1.250	1.186	1.103	1.263	9.07
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.247	0.250	0.226	0.247	0.215	0.210	0.180	0.225	11.37
78)	Pyrene	1.405	1.489	1.304	1.271	1.324	1.243	1.181	1.317	7.82
79) S	Terphenyl-d14	1.133	1.152	1.008	0.969	1.009	0.938	0.871	1.011	10.01
80)	Butylbenzylpht...	0.449	0.481	0.481	0.495	0.533	0.513	0.496	0.492	5.36
81)	Benzo(a)anthra...	1.441	1.406	1.318	1.205	1.290	1.197	1.128	1.284	8.93
82)	3,3'-Dichlorob...	0.611	0.629	0.625	0.565	0.592	0.540	0.496	0.580	8.46
83)	Chrysene	1.448	1.374	1.266	1.179	1.246	1.157	1.085	1.250	10.12
84)	Bis(2-ethylhex...	0.643	0.678	0.684	0.689	0.747	0.720	0.694	0.693	4.74
85) c	Di-n-octyl pht...	1.129	1.117	1.177	1.154	1.275	1.212	1.179	1.178	4.56

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	I	Perylene-d ₁₂	-----ISTD-----								
86)		Indeno(1,2,3-c...	1.587	1.480	1.409	1.289	1.375	1.278	1.194	1.373	9.70
88)		Benzo(b)fluora...	1.331	1.324	1.223	1.177	1.248	1.144	1.055	1.215	8.15
89)		Benzo(k)fluora...	1.376	1.358	1.241	1.136	1.212	1.132	1.077	1.219	9.43
90)	C	Benzo(a)pyrene	1.115	1.098	1.036	0.970	1.035	0.965	0.902	1.017	7.50
91)		Dibenzo(a,h)an...	1.320	1.241	1.181	1.081	1.154	1.071	0.999	1.150	9.52
92)		Benzo(g,h,i)pe...	1.330	1.217	1.170	1.083	1.155	1.071	1.002	1.147	9.40

(#) = Out of Range