

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM060222.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Jun 02 16:16:23 2022
 Response Via : Initial Calibration

Calibration Files

5 =BM035357.D 10 =BM035358.D 20 =BM035359.D 40 =BM035360.D 50 =BM035361.D 60 =BM035362.D 80 =BM035363.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.364	0.375	0.342	0.289	0.293	0.265	0.307	0.319	13.08
3)	Pyridine	0.895	0.949	0.927	0.831	0.826	0.775	0.891	0.871	7.10
4)	n-Nitrosodimet...	0.341	0.357	0.342	0.314	0.322	0.287	0.337	0.329	7.02
5) S	2-Fluorophenol	0.998	0.998	1.049	0.870	0.938	0.901	0.908	0.952	6.81
6)	Aniline	1.427	1.377	1.579	1.329	1.388	1.489	1.359	1.421	6.08
7) S	Phenol-d6	1.341	1.303	1.450	1.196	1.259	1.320	1.232	1.300	6.42
8)	2-Chlorophenol	1.227	1.202	1.310	1.156	1.154	1.196	1.115	1.194	5.28
9)	Benzaldehyde	0.824	0.753	0.734	0.509	0.518	0.492	0.433	0.609	25.59
10) C	Phenol	1.308	1.230	1.386	1.159	1.218	1.275	1.198	1.253	6.09
11)	bis(2-Chloroet...	1.044	1.032	1.139	0.931	1.007	1.026	0.957	1.020	6.56
12)	1,3-Dichlorobe...	1.475	1.411	1.513	1.370	1.354	1.363	1.276	1.395	5.70
13) C	1,4-Dichlorobe...	1.509	1.454	1.571	1.422	1.373	1.397	1.299	1.432	6.24
14)	1,2-Dichlorobe...	1.486	1.422	1.527	1.407	1.346	1.356	1.286	1.404	5.93
15)	Benzyl Alcohol	0.942	0.913	1.044	0.988	0.917	0.951	0.895	0.950	5.41
16)	2,2'-oxybis(1-...	1.279	1.205	1.354	1.362	1.215	1.181	1.104	1.243	7.57
17)	2-Methylphenol	0.982	0.909	1.034	0.969	0.901	0.948	0.889	0.948	5.47
18)	Hexachloroethane	0.483	0.469	0.502	0.476	0.459	0.451	0.429	0.467	5.06
19) P	n-Nitroso-di-n...	0.867	0.808	0.912	0.869	0.762	0.795	0.743	0.822	7.54
20)	3+4-Methylphenols	1.346	1.305	1.465	1.368	1.243	1.323	1.234	1.326	5.95
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.437	0.436	0.477	0.456	0.426	0.452	0.428	0.445	4.09
23) S	Nitrobenzene-d5	0.301	0.304	0.340	0.327	0.313	0.315	0.305	0.315	4.47
24)	Nitrobenzene	0.273	0.275	0.305	0.297	0.285	0.285	0.277	0.285	4.13
25)	Isophorone	0.535	0.515	0.588	0.574	0.524	0.550	0.526	0.545	5.02
26) C	2-Nitrophenol	0.171	0.173	0.199	0.193	0.188	0.194	0.189	0.187	5.75
27)	2,4-Dimethylph...	0.242	0.233	0.267	0.255	0.243	0.251	0.242	0.248	4.44
28)	bis(2-Chloroet...	0.375	0.367	0.404	0.386	0.368	0.378	0.359	0.376	3.97
29) C	2,4-Dichloroph...	0.318	0.323	0.361	0.346	0.334	0.346	0.334	0.338	4.36
30)	1,2,4-Trichlor...	0.379	0.380	0.416	0.391	0.387	0.389	0.377	0.388	3.38
31)	Naphthalene	0.978	0.955	1.041	0.974	0.941	0.965	0.930	0.969	3.73
32)	Benzoic acid	0.175	0.181	0.235	0.245	0.226	0.251	0.238	0.221	14.01
33)	4-Chloroaniline	0.393	0.381	0.441	0.424	0.387	0.422	0.394	0.406	5.66
34) C	Hexachlorobuta...	0.255	0.250	0.273	0.257	0.258	0.254	0.251	0.257	2.97
35)	Caprolactam	0.097	0.086	0.110	0.107	0.090	0.110	0.096	0.099	9.86
36) C	4-Chloro-3-met...	0.305	0.288	0.343	0.326	0.294	0.322	0.301	0.311	6.32
37)	2-Methylnaphth...	0.736	0.709	0.791	0.750	0.693	0.743	0.696	0.731	4.79
38)	1-Methylnaphth...	0.734	0.698	0.778	0.735	0.672	0.722	0.677	0.717	5.22

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.620	0.656	0.692	0.650	0.667	0.650	0.654	0.656	3.27
41) P	Hexachlorocycl...		0.198	0.260	0.283	0.324	0.300	0.324	0.281	16.95
42) S	2,4,6-Tribromo...	0.326	0.305	0.352	0.313	0.302	0.336	0.312	0.321	5.68
43) C	2,4,6-Trichlor...	0.400	0.427	0.472	0.452	0.451	0.453	0.443	0.443	5.22
44)	2,4,5-Trichlor...	0.440	0.449	0.509	0.486	0.477	0.492	0.473	0.475	5.07
45) S	2-Fluorobiphenyl	1.395	1.437	1.518	1.395	1.357	1.352	1.293	1.392	5.12
46)	1,1'-Biphenyl	1.384	1.414	1.537	1.430	1.412	1.417	1.387	1.426	3.63
47)	2-Chloronaphth...	1.056	1.108	1.199	1.123	1.101	1.107	1.092	1.112	3.90
48)	2-Nitroaniline	0.217	0.221	0.270	0.266	0.249	0.261	0.245	0.247	8.52
49)	Acenaphthylene	1.669	1.655	1.831	1.712	1.649	1.708	1.633	1.694	3.98
50)	Dimethylphthalate	1.491	1.420	1.617	1.492	1.400	1.490	1.382	1.470	5.42
51)	2,6-Dinitrotol...	0.297	0.293	0.345	0.323	0.305	0.329	0.305	0.314	6.02
52) C	Acenaphthene	1.020	1.007	1.116	1.041	0.996	1.025	0.975	1.026	4.40
53)	3-Nitroaniline	0.267	0.265	0.328	0.319	0.292	0.324	0.291	0.298	8.81
54) P	2,4-Dinitrophenol		0.145	0.208	0.216	0.212	0.237	0.217	0.206	15.35
55)	Dibenzofuran	1.792	1.739	1.916	1.771	1.684	1.766	1.663	1.762	4.71
56) P	4-Nitrophenol	0.178	0.180	0.246	0.246	0.225	0.262	0.228	0.224	14.72
57)	2,4-Dinitrotol...	0.410	0.389	0.478	0.445	0.415	0.459	0.411	0.430	7.41
58)	Fluorene	1.414	1.369	1.529	1.406	1.292	1.359	1.265	1.376	6.32
59)	2,3,4,6-Tetrac...	0.418	0.414	0.476	0.445	0.426	0.458	0.424	0.437	5.31
60)	Diethylphthalate	1.493	1.387	1.623	1.486	1.387	1.457	1.345	1.454	6.40
61)	4-Chlorophenyl...	0.828	0.778	0.867	0.798	0.747	0.776	0.732	0.789	5.88
62)	4-Nitroaniline	0.282	0.271	0.349	0.333	0.297	0.347	0.297	0.311	10.22
63)	Azobenzene	0.998	0.976	1.133	1.088	1.017	1.039	0.976	1.032	5.73
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.100	0.115	0.145	0.145	0.143	0.148	0.145	0.134	14.13
66) c	n-Nitrosodiphe...	0.543	0.562	0.601	0.573	0.563	0.548	0.561	0.564	3.40
67)	4-Bromophenyl-...	0.236	0.239	0.255	0.240	0.244	0.239	0.244	0.242	2.64
68)	Hexachlorobenzene	0.270	0.272	0.285	0.265	0.268	0.266	0.271	0.271	2.42
69)	Atrazine	0.216	0.211	0.230	0.215	0.199	0.200	0.183	0.208	7.23
70) C	Pentachlorophenol	0.121	0.126	0.156	0.154	0.155	0.165	0.160	0.148	11.83
71)	Phenanthrene	1.021	1.007	1.096	1.028	0.975	1.003	0.957	1.012	4.42
72)	Anthracene	1.001	0.993	1.091	1.029	0.977	1.009	0.960	1.009	4.21
73)	Carbazole	0.950	0.919	1.037	0.981	0.903	0.978	0.881	0.950	5.66
74)	Di-n-butylphth...	1.240	1.162	1.289	1.203	1.131	1.156	1.075	1.179	6.04
75) C	Fluoranthene	1.280	1.211	1.345	1.256	1.128	1.255	1.080	1.222	7.46
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.435	0.400	0.389	0.391	0.337	0.352	0.331	0.376	10.01
78)	Pyrene	1.205	1.147	1.334	1.278	1.213	1.139	1.174	1.213	5.84
79) S	Terphenyl-d14	1.076	1.024	1.138	1.033	0.961	0.874	0.922	1.004	9.09
80)	Butylbenzylpht...	0.496	0.490	0.567	0.536	0.522	0.498	0.497	0.515	5.52
81)	Benzo(a)anthra...	1.241	1.217	1.340	1.257	1.193	1.191	1.157	1.228	4.86
82)	3,3'-Dichlorob...	0.331	0.336	0.359	0.327	0.312	0.308	0.288	0.323	7.11
83)	Chrysene	1.192	1.178	1.262	1.189	1.147	1.139	1.099	1.172	4.39
84)	Bis(2-ethylhex...	0.783	0.772	0.855	0.797	0.769	0.725	0.731	0.776	5.60
85) c	Di-n-octyl pht...	1.345	1.387	1.450	1.393	1.350	1.287	1.282	1.356	4.42

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.298	1.382	1.381	1.276	1.361	1.236	1.353	1.327		4.29
88)	Benzo(b)fluora...	1.158	1.096	1.255	1.211	1.123	1.128	1.092	1.152		5.29
89)	Benzo(k)fluora...	1.186	1.155	1.302	1.196	1.114	1.166	1.133	1.179		5.20
90) C	Benzo(a)pyrene	0.981	0.956	1.055	0.994	0.965	0.967	0.948	0.981		3.69
91)	Dibenzo(a,h)an...	1.089	1.157	1.157	1.068	1.128	1.030	1.123	1.107		4.27
92)	Benzo(g,h,i)pe...	1.037	1.113	1.108	1.016	1.113	0.985	1.105	1.068		5.05

(#) = Out of Range