

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM020422.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Feb 04 17:33:01 2022
 Response Via : Initial Calibration

Calibration Files

5 =BM034014.D 10 =BM034015.D 20 =BM034016.D 40 =BM034017.D 50 =BM034018.D 60 =BM034019.D 80 =BM034020.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.611	0.566	0.564	0.509	0.501	0.490	0.474	0.531	9.38
3)	Pyridine	1.432	1.386	1.426	1.349	1.320	1.324	1.267	1.358	4.46
4)	n-Nitrosodimet...	0.803	0.719	0.727	0.683	0.658	0.649	0.627	0.695	8.60
5) S	2-Fluorophenol	1.320	1.278	1.275	1.204	1.199	1.183	1.145	1.229	5.09
6)	Aniline	1.923	1.882	1.887	1.796	1.752	1.766	1.662	1.810	5.11
7) S	Phenol-d6	1.662	1.645	1.663	1.601	1.566	1.557	1.480	1.596	4.22
8)	2-Chlorophenol	1.361	1.378	1.366	1.302	1.276	1.279	1.219	1.312	4.48
9)	Benzaldehyde	0.959	0.938	1.000	0.854	0.770	0.755	0.660	0.848	14.75
10) C	Phenol	1.704	1.639	1.659	1.614	1.567	1.560	1.488	1.605	4.49
11)	bis(2-Chloroet...	1.355	1.326	1.299	1.231	1.184	1.194	1.126	1.245	6.75
12)	1,3-Dichlorobe...	1.648	1.565	1.558	1.479	1.459	1.437	1.379	1.504	6.10
13) C	1,4-Dichlorobe...	1.665	1.622	1.599	1.512	1.486	1.472	1.405	1.537	6.08
14)	1,2-Dichlorobe...	1.606	1.555	1.543	1.469	1.424	1.415	1.356	1.481	6.05
15)	Benzyl Alcohol	1.258	1.314	1.307	1.304	1.261	1.252	1.194	1.270	3.33
16)	2,2'-oxybis(1-...	2.014	1.927	1.853	1.728	1.647	1.663	1.543	1.768	9.55
17)	2-Methylphenol	1.073	1.123	1.147	1.104	1.095	1.076	1.019	1.091	3.74
18)	Hexachloroethane	0.596	0.587	0.578	0.559	0.546	0.539	0.517	0.560	5.06
19) P	n-Nitroso-di-n...	1.004	1.065	1.046	1.020	0.978	0.981	0.918	1.002	4.85
20)	3+4-Methylphenols	1.495	1.587	1.584	1.543	1.489	1.488	1.406	1.513	4.22
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.546	0.533	0.533	0.520	0.510	0.513	0.511	0.524	2.64
23) S	Nitrobenzene-d5	0.428	0.416	0.428	0.419	0.414	0.411	0.414	0.419	1.61
24)	Nitrobenzene	0.410	0.395	0.405	0.394	0.392	0.385	0.389	0.396	2.25
25)	Isophorone	0.624	0.628	0.645	0.646	0.639	0.626	0.640	0.635	1.46
26) C	2-Nitrophenol	0.149	0.153	0.172	0.178	0.178	0.179	0.182	0.170	7.88
27)	2,4-Dimethylph...	0.278	0.267	0.276	0.271	0.266	0.268	0.268	0.270	1.69
28)	bis(2-Chloroet...	0.445	0.433	0.439	0.419	0.415	0.411	0.410	0.425	3.29
29) C	2,4-Dichloroph...	0.287	0.300	0.309	0.309	0.308	0.305	0.313	0.304	2.76
30)	1,2,4-Trichlor...	0.355	0.346	0.350	0.342	0.342	0.340	0.342	0.345	1.55
31)	Naphthalene	1.130	1.090	1.094	1.058	1.048	1.039	1.050	1.073	3.06
32)	Benzoic acid		0.141	0.178	0.217	0.220	0.221	0.236	0.202	17.59
33)	4-Chloroaniline	0.423	0.414	0.427	0.423	0.425	0.414	0.421	0.421	1.24
34) C	Hexachlorobuta...	0.248	0.232	0.229	0.224	0.222	0.221	0.223	0.228	4.24
35)	Caprolactam	0.076	0.083	0.090	0.099	0.098	0.092	0.099	0.091	9.66
36) C	4-Chloro-3-met...	0.354	0.349	0.367	0.368	0.364	0.352	0.360	0.359	2.10
37)	2-Methylnaphth...	0.760	0.733	0.733	0.717	0.705	0.694	0.704	0.721	3.18
38)	1-Methylnaphth...	0.752	0.733	0.714	0.696	0.688	0.676	0.685	0.706	3.95

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.629	0.620	0.616	0.593	0.589	0.600	0.595	0.606	2.57
41) P	Hexachlorocycl...	0.330	0.338	0.366	0.367	0.368	0.380	0.382	0.362	5.48
42) S	2,4,6-Tribromo...	0.231	0.222	0.247	0.251	0.247	0.244	0.260	0.243	5.20
43) C	2,4,6-Trichlor...	0.383	0.395	0.416	0.409	0.409	0.411	0.415	0.405	2.99
44)	2,4,5-Trichlor...	0.427	0.425	0.442	0.437	0.439	0.437	0.444	0.436	1.69
45) S	2-Fluorobiphenyl	1.555	1.501	1.524	1.440	1.434	1.435	1.429	1.474	3.51
46)	1,1'-Biphenyl	1.651	1.569	1.600	1.513	1.516	1.513	1.506	1.553	3.61
47)	2-Chloronaphth...	1.244	1.198	1.205	1.158	1.162	1.172	1.162	1.186	2.66
48)	2-Nitroaniline	0.331	0.342	0.379	0.394	0.392	0.388	0.402	0.376	7.36
49)	Acenaphthylene	1.810	1.840	1.902	1.858	1.847	1.821	1.863	1.849	1.63
50)	Dimethylphthalate	1.564	1.498	1.508	1.482	1.481	1.429	1.471	1.490	2.76
51)	2,6-Dinitrotol...	0.272	0.287	0.302	0.306	0.306	0.300	0.311	0.298	4.57
52) C	Acenaphthene	1.184	1.154	1.169	1.132	1.107	1.104	1.120	1.139	2.72
53)	3-Nitroaniline	0.281	0.295	0.337	0.352	0.348	0.337	0.353	0.329	8.86
54) P	2,4-Dinitrophenol	0.141	0.169	0.189	0.193	0.188	0.205	0.181		12.49
55)	Dibenzofuran	1.953	1.864	1.895	1.821	1.809	1.781	1.811	1.848	3.24
56) P	4-Nitrophenol	0.211	0.228	0.271	0.288	0.293	0.279	0.298	0.267	12.67
57)	2,4-Dinitrotol...	0.341	0.358	0.407	0.427	0.423	0.412	0.437	0.401	9.15
58)	Fluorene	1.538	1.430	1.474	1.431	1.426	1.389	1.440	1.447	3.29
59)	2,3,4,6-Tetrac...	0.375	0.370	0.386	0.385	0.382	0.376	0.391	0.381	1.89
60)	Diethylphthalate	1.521	1.448	1.504	1.507	1.478	1.444	1.509	1.487	2.09
61)	4-Chlorophenyl...	0.775	0.742	0.750	0.720	0.721	0.707	0.729	0.735	3.10
62)	4-Nitroaniline	0.276	0.289	0.348	0.367	0.366	0.356	0.373	0.339	11.69
63)	Azobenzene	1.439	1.440	1.523	1.492	1.469	1.432	1.490	1.469	2.33
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.093	0.105	0.121	0.133	0.132	0.135	0.141	0.123	14.41
66) c	n-Nitrosodiphe...	0.605	0.621	0.634	0.616	0.610	0.623	0.613	0.618	1.55
67)	4-Bromophenyl-...	0.216	0.216	0.220	0.214	0.210	0.217	0.216	0.216	1.40
68)	Hexachlorobenzene	0.251	0.243	0.245	0.235	0.234	0.239	0.239	0.241	2.50
69)	Atrazine	0.205	0.198	0.214	0.215	0.208	0.208	0.208	0.208	2.64
70) C	Pentachlorophenol	0.134	0.132	0.150	0.157	0.155	0.160	0.162	0.150	8.06
71)	Phenanthrene	1.179	1.133	1.158	1.118	1.090	1.098	1.101	1.125	2.96
72)	Anthracene	1.105	1.076	1.107	1.100	1.072	1.078	1.083	1.089	1.36
73)	Carbazole	1.072	1.050	1.104	1.101	1.082	1.062	1.085	1.080	1.83
74)	Di-n-butylphth...	1.085	1.068	1.160	1.225	1.201	1.200	1.248	1.170	5.89
75) C	Fluoranthene	1.312	1.220	1.266	1.275	1.241	1.226	1.255	1.257	2.52
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.367	0.388	0.475	0.500	0.365	0.386	0.429	0.416	12.97
78)	Pyrene	1.251	1.340	1.374	1.317	1.328	1.328	1.310	1.321	2.80
79) S	Terphenyl-d14	1.042	1.083	1.080	1.051	1.054	1.045	1.054	1.059	1.56
80)	Butylbenzylpht...	0.435	0.468	0.524	0.563	0.569	0.566	0.587	0.530	10.91
81)	Benzo(a)anthra...	1.303	1.285	1.319	1.301	1.288	1.274	1.293	1.295	1.12
82)	3,3'-Dichlorob...	0.433	0.433	0.465	0.474	0.462	0.456	0.470	0.456	3.68
83)	Chrysene	1.274	1.267	1.290	1.261	1.237	1.218	1.229	1.254	2.10
84)	Bis(2-ethylhex...	0.651	0.661	0.746	0.795	0.802	0.782	0.828	0.752	9.32
85) c	Di-n-octyl pht...	1.097	1.081	1.223	1.355	1.338	1.317	1.411	1.260	10.30

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.508	1.398	1.456	1.472	1.456	1.453	1.464	1.458	2.24	
88)	Benzo(b)fluora...	1.201	1.203	1.212	1.226	1.209	1.215	1.192	1.208	0.91	
89)	Benzo(k)fluora...	1.249	1.208	1.249	1.225	1.208	1.200	1.232	1.225	1.64	
90) C	Benzo(a)pyrene	1.011	1.000	1.039	1.035	1.021	1.012	1.026	1.021	1.36	
91)	Dibenzo(a,h)an...	1.268	1.183	1.226	1.237	1.213	1.220	1.233	1.226	2.11	
92)	Benzo(g,h,i)pe...	1.248	1.155	1.201	1.205	1.188	1.188	1.188	1.196	2.33	

(#) = Out of Range