

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM052722.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri May 27 16:44:39 2022
 Response Via : Initial Calibration

Calibration Files

5 =BM035284.D 10 =BM035285.D 20 =BM035286.D 40 =BM035287.D 50 =BM035288.D 60 =BM035289.D 80 =BM035290.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.481	0.433	0.467	0.388	0.432	0.368	0.400	0.424	9.72
3)	Pyridine	1.158	1.045	1.259	1.008	1.152	1.009	1.095	1.104	8.35
4)	n-Nitrosodimet...	0.565	0.554	0.633	0.438	0.576	0.441	0.555	0.538	13.38
5) S	2-Fluorophenol	1.117	1.041	1.196	1.047	1.080	1.042	1.059	1.083	5.21
6)	Aniline	1.505	1.479	1.739	1.367	1.515	1.397	1.428	1.490	8.25
7) S	Phenol-d6	1.408	1.384	1.628	1.309	1.419	1.335	1.335	1.403	7.66
8)	2-Chlorophenol	1.226	1.199	1.378	1.175	1.202	1.197	1.154	1.219	6.07
9)	Benzaldehyde	0.897	0.830	0.894	0.622	0.673	0.582	0.594	0.727	19.46
10) C	Phenol	1.407	1.348	1.589	1.252	1.386	1.283	1.304	1.367	8.24
11)	bis(2-Chloroet...	1.115	1.087	1.259	0.964	1.052	0.986	1.016	1.068	9.31
12)	1,3-Dichlorobe...	1.456	1.367	1.536	1.399	1.382	1.399	1.324	1.409	4.88
13) C	1,4-Dichlorobe...	1.489	1.419	1.555	1.431	1.410	1.428	1.340	1.439	4.68
14)	1,2-Dichlorobe...	1.462	1.360	1.534	1.377	1.362	1.375	1.306	1.397	5.45
15)	Benzyl Alcohol	0.937	0.980	1.181	0.896	1.043	0.951	0.995	0.998	9.35
16)	2,2'-oxybis(1-...	1.670	1.601	1.816	1.066	1.431	1.085	1.383	1.436	19.89
17)	2-Methylphenol	0.974	0.936	1.117	0.889	0.965	0.921	0.906	0.958	7.96
18)	Hexachloroethane	0.513	0.484	0.549	0.464	0.495	0.468	0.478	0.493	6.00
19) P	n-Nitroso-di-n...	0.911	0.899	1.086	0.720	0.869	0.753	0.817	0.865	13.99
20)	3+4-Methylphenols	1.289	1.277	1.545	1.226	1.335	1.267	1.245	1.312	8.28
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.513	0.432	0.517	0.458	0.470	0.473	0.468	0.476	6.34
23) S	Nitrobenzene-d5	0.388	0.332	0.394	0.343	0.368	0.350	0.369	0.363	6.40
24)	Nitrobenzene	0.369	0.310	0.366	0.314	0.335	0.318	0.334	0.335	7.22
25)	Isophorone	0.567	0.520	0.628	0.505	0.553	0.526	0.551	0.550	7.39
26) C	2-Nitrophenol	0.145	0.147	0.184	0.181	0.181	0.190	0.183	0.173	10.73
27)	2,4-Dimethylph...	0.235	0.218	0.266	0.241	0.243	0.250	0.242	0.242	5.99
28)	bis(2-Chloroet...	0.383	0.356	0.420	0.349	0.365	0.362	0.369	0.372	6.40
29) C	2,4-Dichloroph...	0.263	0.264	0.329	0.324	0.312	0.332	0.311	0.305	9.58
30)	1,2,4-Trichlor...	0.331	0.322	0.378	0.392	0.363	0.401	0.363	0.364	8.05
31)	Naphthalene	0.970	0.900	1.052	0.980	0.960	0.995	0.965	0.975	4.67
32)	Benzoic acid		0.143	0.219	0.209	0.217	0.225	0.223	0.206	15.33
33)	4-Chloroaniline	0.355	0.354	0.441	0.383	0.390	0.395	0.384	0.386	7.55
34) C	Hexachlorobuta...	0.195	0.208	0.243	0.262	0.240	0.270	0.250	0.238	11.58
35)	Caprolactam	0.076	0.071	0.101	0.086	0.086	0.083	0.083	0.084	11.38
36) C	4-Chloro-3-met...	0.281	0.277	0.351	0.299	0.307	0.303	0.303	0.303	7.92
37)	2-Methylnaphth...	0.666	0.641	0.756	0.684	0.679	0.703	0.682	0.687	5.23
38)	1-Methylnaphth...	0.658	0.625	0.745	0.674	0.662	0.678	0.661	0.672	5.45

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.508	0.536	0.636	0.718	0.659	0.742	0.684	0.640	13.82
41) P	Hexachlorocycl...	0.220	0.300	0.363	0.345	0.408	0.382	0.336		20.10
42) S	2,4,6-Tribromo...	0.207	0.210	0.274	0.317	0.257	0.308	0.243	0.259	16.75
43) C	2,4,6-Trichlor...	0.336	0.346	0.433	0.458	0.432	0.473	0.445	0.417	13.02
44)	2,4,5-Trichlor...	0.365	0.370	0.470	0.484	0.453	0.500	0.465	0.444	12.22
45) S	2-Fluorobiphenyl	1.364	1.305	1.497	1.492	1.435	1.548	1.454	1.442	5.78
46)	1,1'-Biphenyl	1.437	1.355	1.547	1.494	1.463	1.537	1.482	1.474	4.43
47)	2-Chloronaphth...	1.103	1.038	1.191	1.169	1.137	1.207	1.153	1.143	5.01
48)	2-Nitroaniline	0.266	0.254	0.334	0.267	0.303	0.274	0.297	0.285	9.73
49)	Acenaphthylene	1.652	1.540	1.827	1.741	1.712	1.756	1.698	1.704	5.30
50)	Dimethylphthalate	1.414	1.313	1.569	1.444	1.383	1.424	1.380	1.418	5.55
51)	2,6-Dinitrotol...	0.255	0.249	0.321	0.310	0.299	0.308	0.295	0.291	9.61
52) C	Acenaphthene	1.024	0.955	1.114	1.052	1.025	1.072	1.020	1.037	4.77
53)	3-Nitroaniline	0.258	0.249	0.328	0.303	0.298	0.293	0.291	0.288	9.41
54) P	2,4-Dinitrophenol	0.117	0.193	0.203	0.193	0.207	0.203	0.186		18.34
55)	Dibenzofuran	1.769	1.612	1.873	1.789	1.708	1.796	1.685	1.747	4.90
56) P	4-Nitrophenol	0.177	0.173	0.256	0.246	0.239	0.232	0.235	0.222	15.06
57)	2,4-Dinitrotol...	0.336	0.327	0.442	0.429	0.398	0.409	0.393	0.391	11.22
58)	Fluorene	1.359	1.251	1.493	1.414	1.331	1.384	1.304	1.362	5.78
59)	2,3,4,6-Tetrac...	0.324	0.329	0.424	0.447	0.400	0.440	0.387	0.393	12.70
60)	Diethylphthalate	1.406	1.306	1.590	1.385	1.343	1.353	1.318	1.386	6.96
61)	4-Chlorophenyl...	0.686	0.669	0.811	0.795	0.728	0.786	0.717	0.742	7.54
62)	4-Nitroaniline	0.250	0.240	0.339	0.318	0.303	0.297	0.293	0.291	12.13
63)	Azobenzene	1.290	1.147	1.368	1.061	1.141	1.047	1.153	1.172	9.99
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.089	0.096	0.134	0.139	0.136	0.147	0.137	0.125	18.33
66) c	n-Nitrosodiphe...	0.547	0.534	0.612	0.572	0.577	0.602	0.587	0.576	4.88
67)	4-Bromophenyl-...	0.186	0.197	0.229	0.239	0.227	0.256	0.232	0.224	10.79
68)	Hexachlorobenzene	0.216	0.218	0.254	0.274	0.247	0.287	0.249	0.249	10.55
69)	Atrazine	0.175	0.177	0.217	0.199	0.190	0.200	0.184	0.192	7.84
70) C	Pentachlorophenol	0.102	0.113	0.150	0.166	0.152	0.172	0.152	0.144	18.25
71)	Phenanthrene	1.012	0.952	1.104	1.039	1.018	1.053	1.014	1.028	4.50
72)	Anthracene	0.949	0.915	1.080	1.025	1.005	1.046	1.001	1.003	5.60
73)	Carbazole	0.927	0.868	1.051	0.980	0.948	0.963	0.939	0.954	5.83
74)	Di-n-butylphth...	1.239	0.994	1.227	1.070	1.055	1.075	1.089	1.107	8.24
75) C	Fluoranthene	1.388	1.028	1.255	1.268	1.142	1.211	1.132	1.204	9.62
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.530	0.368	0.403	0.376	0.349		0.405		17.91
78)	Pyrene	1.499	1.249	1.453	1.160	1.321	1.245	1.259	1.312	9.30
79) S	Terphenyl-d14	1.458	1.039	1.221	1.001	1.082	1.058	1.041	1.129	14.31
80)	Butylbenzylpht...	0.582	0.456	0.569	0.429	0.494	0.464	0.520	0.502	11.57
81)	Benzo(a)anthra...	1.323	1.165	1.358	1.246	1.253	1.256	1.253	1.265	4.85
82)	3,3'-Dichlorob...	0.352	0.272	0.325	0.316	0.314	0.309	0.304	0.313	7.61
83)	Chrysene	1.182	1.107	1.282	1.187	1.206	1.203	1.189	1.194	4.29
84)	Bis(2-ethylhex...	0.803	0.639	0.804	0.621	0.691	0.663	0.747	0.710	10.67
85) c	Di-n-octyl pht...	1.353	1.025	1.257	1.068	1.147	1.122	1.267	1.177	10.06

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.303	1.222	1.348	1.470	1.375	1.512	1.309	1.363		7.35
88)	Benzo(b)fluora...	1.161	1.128	1.357	1.192	1.214	1.201	1.193	1.207		5.98
89)	Benzo(k)fluora...	1.202	1.121	1.287	1.162	1.164	1.198	1.210	1.192		4.37
90) C	Benzo(a)pyrene	0.963	0.914	1.077	0.992	1.005	1.016	1.033	1.000		5.20
91)	Dibenzo(a,h)an...	1.079	1.028	1.129	1.214	1.135	1.260	1.079	1.132		7.18
92)	Benzo(g,h,i)pe...	1.055	1.011	1.101	1.203	1.159	1.232	1.142	1.129		6.98

(#) = Out of Range