

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF071422.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu Jul 14 16:23:13 2022
 Response Via : Initial Calibration

Calibration Files

5 =BF129215.D 10 =BF129216.D 20 =BF129217.D 40 =BF129218.D 50 =BF129219.D 60 =BF129220.D 80 =BF129221.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.603	0.600	0.657	0.573	0.570	0.571	0.535	0.587	6.54
3)	Pyridine	1.436	1.499	1.633	1.498	1.448	1.470	1.416	1.486	4.85
4)	n-Nitrosodimet...	0.776	0.730	0.793	0.728	0.730	0.731	0.682	0.738	4.90
5) S	2-Fluorophenol	1.450	1.437	1.466	1.191	1.135	1.146	1.056	1.269	13.80
6)	Aniline	1.974	1.891	2.025	1.819	1.849	1.848	1.780	1.884	4.64
7) S	Phenol-d6	1.807	1.779	1.812	1.539	1.499	1.522	1.373	1.619	10.96
8)	2-Chlorophenol	1.468	1.434	1.490	1.255	1.215	1.226	1.091	1.311	11.63
9)	Benzaldehyde	1.185	1.081	0.994	0.758	0.716	0.672		0.901	23.74
10) C	Phenol	1.984	1.908	1.949	1.641	1.555	1.586	1.420	1.720	12.96
11)	bis(2-Chloroet...	1.435	1.369	1.446	1.264	1.230	1.262	1.062	1.295	10.37
12)	1,3-Dichlorobe...	1.565	1.523	1.584	1.341	1.295	1.306	1.189	1.400	11.07
13) C	1,4-Dichlorobe...	1.589	1.547	1.607	1.349	1.284	1.304	1.180	1.409	12.04
14)	1,2-Dichlorobe...	1.534	1.467	1.515	1.231	1.166	1.183		1.349	12.87
15)	Benzyl Alcohol	1.109	1.148	1.288	1.114	1.091	1.095	0.969	1.116	8.45
16)	2,2'-oxybis(1-...	2.309	2.243	2.341	2.008	1.974	1.998	1.802	2.096	9.64
17)	2-Methylphenol	1.175	1.160	1.186	1.032	1.024	1.029	0.937	1.078	8.90
18)	Hexachloroethane	0.564	0.553	0.598	0.521	0.506	0.510	0.469	0.532	8.10
19) P	n-Nitroso-di-n...	1.014	0.997	1.025	0.886	0.869	0.881	0.814	0.927	9.04
20)	3+4-Methylphenols	1.513	1.513	1.554	1.269	1.205	1.209	1.076	1.334	14.21
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.524	0.507	0.518	0.440	0.426	0.426	0.399	0.463	11.12
23) S	Nitrobenzene-d5	0.382	0.385	0.420	0.371	0.369	0.366	0.348	0.377	5.90
24)	Nitrobenzene	0.368	0.370	0.396	0.353	0.348	0.345	0.328	0.358	6.09
25)	Isophorone	0.640	0.623	0.664	0.605	0.613	0.614	0.599	0.623	3.64
26) C	2-Nitrophenol	0.144	0.159	0.186	0.175	0.178	0.177	0.171	0.170	8.19
27)	2,4-Dimethylph...	0.272	0.273	0.297	0.273	0.275	0.274	0.261	0.275	3.90
28)	bis(2-Chloroet...	0.432	0.423	0.445	0.402	0.393	0.400	0.378	0.411	5.76
29) C	2,4-Dichloroph...	0.280	0.277	0.299	0.269	0.267	0.265	0.254	0.273	5.28
30)	1,2,4-Trichlor...	0.309	0.303	0.318	0.278	0.272	0.268	0.255	0.286	8.33
31)	Naphthalene	1.052	1.026	1.071	0.908	0.879	0.875	0.802	0.945	11.03
32)	Benzoic acid		0.168	0.209	0.215	0.233	0.235	0.235	0.216	11.95
33)	4-Chloroaniline	0.415	0.408	0.426	0.375	0.356	0.372	0.356	0.387	7.51
34) C	Hexachlorobuta...	0.168	0.165	0.176	0.156	0.151	0.151	0.145	0.159	7.08
35)	Caprolactam	0.087	0.088	0.096	0.088	0.092	0.093	0.091	0.091	3.32
36) C	4-Chloro-3-met...	0.304	0.303	0.331	0.293	0.291	0.292	0.279	0.299	5.46
37)	2-Methylnaphth...	0.675	0.653	0.678	0.585	0.564	0.569	0.524	0.607	10.13
38)	1-Methylnaphth...	0.653	0.639	0.658	0.571	0.545	0.547	0.501	0.588	10.57

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.548	0.560	0.573	0.500	0.469	0.469	0.434	0.508	10.51
41) P	Hexachlorocycl...	0.203	0.232	0.272	0.268	0.263	0.265	0.258	0.252	10.02
42) S	2,4,6-Tribromo...	0.186	0.189	0.201	0.175	0.172	0.172	0.165	0.180	6.89
43) C	2,4,6-Trichlor...	0.383	0.389	0.418	0.381	0.363	0.362	0.347	0.378	6.15
44)	2,4,5-Trichlor...	0.386	0.401	0.441	0.383	0.366	0.372	0.342	0.384	8.05
45) S	2-Fluorobiphenyl	1.466	1.420	1.405	1.133	1.047		1.294		14.68
46)	1,1'-Biphenyl	1.624	1.603	1.652	1.409	1.303	1.311	1.203	1.444	12.57
47)	2-Chloronaphth...	1.248	1.234	1.281	1.110	1.039	1.057	0.957	1.132	10.90
48)	2-Nitroaniline	0.346	0.372	0.429	0.391	0.390	0.388	0.366	0.383	6.76
49)	Acenaphthylene	1.870	1.859	1.941	1.653	1.544	1.555	1.382	1.686	12.34
50)	Dimethylphthalate	1.362	1.348	1.413	1.263	1.224	1.223	1.157	1.284	7.16
51)	2,6-Dinitrotol...	0.267	0.279	0.305	0.279	0.274	0.274	0.259	0.277	5.14
52) C	Acenaphthene	1.168	1.165	1.228	1.086	1.022	1.027	0.953	1.093	9.00
53)	3-Nitroaniline	0.323	0.343	0.375	0.334	0.330	0.332	0.314	0.336	5.87
54) P	2,4-Dinitrophenol		0.104	0.149	0.156	0.160	0.165	0.161	0.149	15.41
55)	Dibenzofuran	1.750	1.725	1.787	1.510	1.406	1.421	1.265	1.552	13.07
56) P	4-Nitrophenol	0.242	0.262	0.296	0.271	0.268	0.266	0.257	0.266	6.18
57)	2,4-Dinitrotol...	0.328	0.357	0.407	0.372	0.361	0.361	0.333	0.360	7.24
58)	Fluorene	1.359	1.336	1.359	1.141	1.055	1.052	0.969	1.182	14.11
59)	2,3,4,6-Tetrac...	0.294	0.302	0.332	0.295	0.282	0.283	0.261	0.293	7.43
60)	Diethylphthalate	1.345	1.290	1.401	1.220	1.153	1.166	1.083	1.237	9.20
61)	4-Chlorophenyl...	0.626	0.603	0.611	0.518	0.483	0.478	0.450	0.539	13.56
62)	4-Nitroaniline	0.331	0.336	0.372	0.332	0.323	0.324	0.301	0.331	6.40
63)	Azobenzene	1.459	1.422	1.506	1.327	1.263	1.268	1.153	1.342	9.35
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.099	0.129	0.126	0.131	0.132	0.125	0.124	9.83
66) c	n-Nitrosodiphe...	0.695	0.685	0.702	0.615	0.592	0.593	0.552	0.633	9.42
67)	4-Bromophenyl-...	0.220	0.212	0.221	0.200	0.196	0.194	0.184	0.204	7.01
68)	Hexachlorobenzene	0.233	0.228	0.238	0.211	0.203	0.205	0.193	0.216	7.97
69)	Atrazine	0.197	0.187	0.196	0.169	0.160	0.153	0.130	0.170	14.55
70) C	Pentachlorophenol	0.108	0.119	0.140	0.131	0.128	0.126	0.120	0.125	8.36
71)	Phenanthrene	1.168	1.122	1.140	0.960	0.908	0.907	0.839	1.006	13.29
72)	Anthracene	1.136	1.108	1.148	0.957	0.911	0.902	0.833	0.999	12.87
73)	Carbazole	1.162	1.121	1.157	0.962	0.922	0.921	0.842	1.013	12.96
74)	Di-n-butylphth...	1.185	1.200	1.259	1.079	1.029	1.017	0.919	1.098	10.99
75) C	Fluoranthene	1.184	1.163	1.164	0.986	0.932	0.918	0.831	1.025	13.97
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine		0.559	0.429	0.468	0.369	0.345		0.434	19.57
78)	Pyrene	1.566	1.564	1.673	1.501	1.480	1.516	1.435	1.534	5.01
79) S	Terphenyl-d14	1.087	1.046	1.064	0.947	0.947	0.958	0.925	0.996	6.69
80)	Butylbenzylpht...	0.552	0.606	0.715	0.674	0.686	0.705	0.676	0.659	8.95
81)	Benzo(a)anthra...	1.371	1.321	1.400	1.214	1.191	1.202	1.135	1.262	8.01
82)	3,3'-Dichlorob...	0.312	0.337	0.340	0.300	0.278	0.272	0.246	0.298	11.63
83)	Chrysene	1.292	1.261	1.325	1.148	1.125	1.138	1.073	1.194	8.08
84)	Bis(2-ethylhex...	0.795	0.847	0.945	0.883	0.872	0.889	0.837	0.867	5.42
85) c	Di-n-octyl pht...	1.265	1.324	1.479	1.366	1.305	1.344	1.248	1.333	5.75

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.241	1.163	1.188	1.189	1.248	1.298	1.290	1.231		4.27
88)	Benzo(b)fluora...	1.284	1.227	1.397	1.174	1.191	1.211	1.083	1.224		7.98
89)	Benzo(k)fluora...	1.251	1.266	1.303	1.198	1.110	1.117	1.042	1.184		8.13
90) C	Benzo(a)pyrene	1.040	1.030	1.106	0.986	0.960	0.993	0.915	1.004		6.12
91)	Dibenzo(a,h)an...	0.993	0.953	0.971	0.959	0.989	1.028	1.018	0.987		2.89
92)	Benzo(g,h,i)pe...	0.982	0.932	0.951	0.986	1.063	1.106	1.101	1.017		7.05

(#) = Out of Range