

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF062922.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jun 29 17:05:31 2022
 Response Via : Initial Calibration

Calibration Files

5 =BF129031.D 10 =BF129032.D 20 =BF129033.D 40 =BF129034.D 50 =BF129035.D 60 =BF129036.D 80 =BF129037.D

Compound		5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.528	0.520	0.585	0.522	0.522	0.521	0.493	0.527	5.30
3)	Pyridine	1.208	1.273	1.427	1.312	1.258	1.313	1.226	1.288	5.65
4)	n-Nitrosodimet...	0.576	0.573	0.646	0.581	0.582	0.582	0.546	0.584	5.16
5) S	2-Fluorophenol	1.300	1.283	1.368	1.160	1.083	1.084	1.003	1.183	11.47
6)	Aniline	1.693	1.672	1.844	1.620	1.589	1.559	1.524	1.643	6.49
7) S	Phenol-d6	1.591	1.565	1.684	1.444	1.382	1.364	1.256	1.469	10.19
8)	2-Chlorophenol	1.347	1.315	1.417	1.224	1.169	1.171	1.057	1.243	9.97
9)	Benzaldehyde	0.979	0.926	0.870	0.644	0.639	0.588		0.774	21.92
10) C	Phenol	1.597	1.542	1.670	1.461	1.416	1.432	1.302	1.489	8.29
11)	bis(2-Chloroet...	1.257	1.227	1.318	1.150	1.128	1.150	1.017	1.178	8.36
12)	1,3-Dichlorobe...	1.506	1.439	1.558	1.332	1.284	1.284	1.175	1.368	10.02
13) C	1,4-Dichlorobe...	1.504	1.473	1.585	1.349	1.288	1.290	1.170	1.380	10.56
14)	1,2-Dichlorobe...	1.441	1.408	1.513	1.282	1.194	1.195	1.048	1.297	12.71
15)	Benzyl Alcohol	1.096	1.079	1.167	1.033	0.992	0.992	0.876	1.033	9.01
16)	2,2'-oxybis(1-...	1.831	1.767	1.879	1.637	1.600	1.596	1.471	1.683	8.71
17)	2-Methylphenol	1.044	1.038	1.126	0.991	0.986	0.979	0.916	1.011	6.52
18)	Hexachloroethane	0.501	0.500	0.543	0.474	0.467	0.473	0.433	0.484	7.07
19) P	n-Nitroso-di-n...	0.916	0.887	0.946	0.834	0.808	0.806	0.752	0.850	8.11
20)	3+4-Methylphenols	1.410	1.368	1.491	1.280	1.198	1.193	1.063	1.286	11.46
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.502	0.485	0.514	0.453	0.430	0.431	0.398	0.459	9.28
23) S	Nitrobenzene-d5	0.316	0.332	0.375	0.341	0.331	0.336	0.317	0.335	5.92
24)	Nitrobenzene	0.307	0.322	0.359	0.327	0.321	0.326	0.309	0.324	5.33
25)	Isophorone	0.558	0.550	0.605	0.561	0.564	0.576	0.552	0.567	3.36
26) C	2-Nitrophenol	0.106	0.126	0.160	0.161	0.166	0.171	0.166	0.151	16.42
27)	2,4-Dimethylph...	0.266	0.268	0.294	0.273	0.271	0.275	0.259	0.272	4.06
28)	bis(2-Chloroet...	0.400	0.391	0.426	0.389	0.377	0.384	0.356	0.389	5.46
29) C	2,4-Dichloroph...	0.268	0.274	0.301	0.280	0.275	0.282	0.263	0.278	4.42
30)	1,2,4-Trichlor...	0.322	0.312	0.339	0.302	0.291	0.297	0.276	0.306	6.84
31)	Naphthalene	1.012	0.983	1.053	0.916	0.823	0.837	0.731	0.908	12.82
32)	Benzoic acid		0.162	0.212	0.219	0.237	0.240	0.240	0.218	13.82
33)	4-Chloroaniline	0.383	0.379	0.406	0.365	0.342	0.355	0.331	0.366	7.00
34) C	Hexachlorobuta...	0.190	0.185	0.202	0.179	0.176	0.179	0.165	0.182	6.35
35)	Caprolactam	0.077	0.083	0.091	0.088	0.090	0.092	0.096	0.088	7.28
36) C	4-Chloro-3-met...	0.274	0.275	0.306	0.284	0.280	0.285	0.273	0.282	4.06
37)	2-Methylnaphth...	0.661	0.650	0.693	0.613	0.567	0.577	0.516	0.611	10.11
38)	1-Methylnaphth...	0.646	0.629	0.674	0.599	0.549	0.555	0.501	0.593	10.30

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.589	0.588	0.627	0.561	0.527	0.547	0.495	0.562	7.81
41) P	Hexachlorocycl...	0.248	0.276	0.321	0.308	0.307	0.316	0.301	0.297	8.68
42) S	2,4,6-Tribromo...	0.210	0.214	0.240	0.217	0.213	0.221	0.209	0.217	4.87
43) C	2,4,6-Trichlor...	0.361	0.378	0.418	0.393	0.383	0.389	0.359	0.383	5.34
44)	2,4,5-Trichlor...	0.400	0.403	0.451	0.409	0.398	0.405	0.386	0.407	5.02
45) S	2-Fluorobiphenyl	1.480	1.433	1.462	1.143	0.974	1.009	1.250		18.84
46)	1,1'-Biphenyl	1.605	1.573	1.672	1.427	1.286	1.322	1.179	1.438	12.84
47)	2-Chloronaphth...	1.185	1.170	1.255	1.105	1.036	1.060	0.962	1.110	9.02
48)	2-Nitroaniline	0.213	0.257	0.320	0.306	0.313	0.326	0.312	0.292	14.29
49)	Acenaphthylene	1.834	1.806	1.955	1.702	1.542	1.577	1.394	1.687	11.52
50)	Dimethylphthalate	1.314	1.300	1.389	1.242	1.185	1.215	1.113	1.251	7.32
51)	2,6-Dinitrotol...	0.209	0.237	0.279	0.264	0.263	0.275	0.262	0.256	9.69
52) C	Acenaphthene	1.168	1.140	1.242	1.098	1.022	1.056	0.967	1.099	8.47
53)	3-Nitroaniline	0.251	0.287	0.327	0.313	0.315	0.329	0.312	0.305	8.95
54) P	2,4-Dinitrophenol		0.065	0.102	0.114	0.129	0.137	0.139	0.115	24.48
55)	Dibenzofuran	1.796	1.743	1.833	1.598	1.432	1.483	1.318	1.600	12.36
56) P	4-Nitrophenol	0.202	0.232	0.271	0.260	0.259	0.268	0.252	0.249	9.78
57)	2,4-Dinitrotol...	0.233	0.276	0.343	0.334	0.340	0.350	0.333	0.316	13.97
58)	Fluorene	1.387	1.355	1.449	1.228	1.105	1.144	0.997	1.238	13.39
59)	2,3,4,6-Tetrac...	0.329	0.336	0.376	0.339	0.330	0.339	0.312	0.337	5.82
60)	Diethylphthalate	1.345	1.314	1.407	1.240	1.176	1.206	1.090	1.254	8.66
61)	4-Chlorophenyl...	0.674	0.657	0.696	0.612	0.570	0.586	0.523	0.617	10.09
62)	4-Nitroaniline	0.253	0.278	0.338	0.313	0.312	0.320	0.301	0.302	9.35
63)	Azobenzene	1.304	1.277	1.387	1.233	1.153	1.171	1.073	1.228	8.57
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.058	0.080	0.090	0.098	0.102	0.102	0.088	19.61
66) c	n-Nitrosodiphe...	0.637	0.634	0.687	0.607	0.576	0.579	0.531	0.607	8.33
67)	4-Bromophenyl-...	0.213	0.212	0.233	0.214	0.206	0.212	0.199	0.213	4.96
68)	Hexachlorobenzene	0.247	0.243	0.263	0.232	0.225	0.230	0.219	0.237	6.37
69)	Atrazine	0.182	0.178	0.192	0.174	0.164	0.163	0.144	0.171	9.04
70) C	Pentachlorophenol	0.119	0.133	0.155	0.147	0.145	0.148	0.140	0.141	8.44
71)	Phenanthrene	1.078	1.054	1.119	0.949	0.844	0.861	0.783	0.956	13.68
72)	Anthracene	1.040	1.050	1.100	0.941	0.841	0.851	0.771	0.942	13.27
73)	Carbazole	1.061	1.034	1.102	0.928	0.847	0.852	0.784	0.944	12.99
74)	Di-n-butylphth...	1.075	1.089	1.153	0.998	0.905	0.922	0.826	0.995	11.77
75) C	Fluoranthene	1.143	1.118	1.169	0.980	0.887	0.897	0.802	0.999	14.48
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine		0.463	0.374	0.380	0.307	0.336	0.277	0.356	18.33
78)	Pyrene	1.371	1.395	1.536	1.407	1.345	1.358	1.291	1.386	5.49
79) S	Terphenyl-d14	1.079	1.039	1.101	0.944	0.862	0.877	0.840	0.963	11.33
80)	Butylbenzylpht...	0.480	0.518	0.602	0.576	0.592	0.603	0.582	0.565	8.34
81)	Benzo(a)anthra...	1.271	1.279	1.362	1.203	1.165	1.174	1.095	1.221	7.26
82)	3,3'-Dichlorob...	0.294	0.296	0.302	0.254	0.243	0.243	0.216	0.264	12.57
83)	Chrysene	1.218	1.204	1.281	1.125	1.055	1.068	0.985	1.134	9.28
84)	Bis(2-ethylhex...	0.684	0.713	0.808	0.763	0.769	0.786	0.732	0.751	5.77
85) c	Di-n-octyl pht...	1.080	1.089	1.209	1.108	1.088	1.129	1.052	1.108	4.56

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.190	1.123	1.228	1.173	1.259	1.281	1.333	1.227		5.80
88)	Benzo(b)fluora...	1.187	1.168	1.300	1.204	1.206	1.229	1.126	1.203		4.47
89)	Benzo(k)fluora...	1.183	1.184	1.349	1.173	1.098	1.118	1.061	1.167		7.98
90) C	Benzo(a)pyrene	0.967	0.952	1.067	0.975	0.960	0.996	0.946	0.981		4.25
91)	Dibenzo(a,h)an...	0.989	0.910	1.014	0.965	1.023	1.035	1.063	1.000		5.06
92)	Benzo(g,h,i)pe...	0.949	0.904	0.985	0.957	1.047	1.059	1.121	1.003		7.51

(#) = Out of Range