

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF062622.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Jun 29 16:19:25 2022
 Response Via : Initial Calibration

Calibration Files

5 =BF129003.D 10 =BF129004.D 20 =BF129005.D 40 =BF129006.D 50 =BF129007.D 60 =BF129008.D 80 =BF129009.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.331	0.336	0.514	0.311	0.327	0.322	0.307	0.350	20.95
3)	Pyridine	1.354	1.216	2.039	1.207	1.247	1.223	1.164	1.350	22.91
4)	n-Nitrosodimet...	0.746	0.732	1.205	0.730	0.772	0.746	0.718	0.807	21.84
5) S	2-Fluorophenol	1.344	1.320	1.979	1.106	1.117	1.113	1.040	1.288	25.28
6)	Aniline	1.826	1.764	1.858	1.501	1.556	1.482	1.411	1.628	11.21
7) S	Phenol-d6	1.710	1.657	1.694	1.378	1.429	1.365	1.309	1.506	11.51
8)	2-Chlorophenol	1.412	1.364	1.416	1.176	1.208	1.171	1.105	1.265	10.19
9)	Benzaldehyde	1.086	1.063	0.947	0.661	0.734	0.696	0.560	0.821	25.45
10) C	Phenol	1.750	1.720	1.784	1.470	1.524	1.489	1.396	1.590	9.84
11)	bis(2-Chloroet...	1.259	1.246	1.305	1.106	1.164	1.101	1.088	1.181	7.47
12)	1,3-Dichlorobe...	1.563	1.587	1.645	1.346	1.370	1.376	1.276	1.452	9.83
13) C	1,4-Dichlorobe...	1.609	1.576	1.628	1.362	1.398	1.385	1.277	1.462	9.52
14)	1,2-Dichlorobe...	1.536	1.497	1.540	1.252	1.254	1.234	1.100	1.345	13.12
15)	Benzyl Alcohol	1.264	1.278	1.370	1.101	1.137	1.115	1.004	1.181	10.71
16)	2,2'-oxybis(1-...	2.256	2.187	2.136	1.823	1.834	1.821	1.610	1.952	12.30
17)	2-Methylphenol	1.132	1.112	1.131	0.954	0.978	0.964	0.879	1.022	9.98
18)	Hexachloroethane	0.564	0.562	0.597	0.500	0.519	0.517	0.452	0.530	9.09
19) P	n-Nitroso-di-n...	0.999	1.025	1.047	0.860	0.896	0.881	0.797	0.929	10.16
20)	3+4-Methylphenols	1.517	1.488	1.556	1.265	1.262	1.268	1.138	1.356	11.88
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.546	0.524	0.562	0.455	0.480	0.479	0.650	0.528	12.55
23) S	Nitrobenzene-d5	0.432	0.421	0.462	0.378	0.401	0.402	0.413	0.415	6.43
24)	Nitrobenzene	0.402	0.390	0.428	0.349	0.368	0.375	0.379	0.384	6.58
25)	Isophorone	0.652	0.639	0.683	0.573	0.621	0.620	0.620	0.630	5.38
26) C	2-Nitrophenol	0.180	0.181	0.197	0.168	0.179	0.181	0.178	0.180	4.79
27)	2,4-Dimethylph...	0.283	0.274	0.285	0.244	0.257	0.261	0.259	0.266	5.71
28)	bis(2-Chloroet...	0.429	0.421	0.445	0.369	0.396	0.397	0.390	0.407	6.43
29) C	2,4-Dichloroph...	0.314	0.303	0.328	0.276	0.290	0.293	0.289	0.299	5.85
30)	1,2,4-Trichlor...	0.354	0.343	0.365	0.299	0.316	0.318	0.318	0.330	7.16
31)	Naphthalene	1.063	1.067	1.108	0.919	0.947	0.960	0.967	1.005	7.28
32)	Benzoic acid	0.072	0.105	0.102	0.130	0.132	0.137	0.113	0.113	22.15
33)	4-Chloroaniline	0.403	0.414	0.416	0.353	0.378	0.378	0.369	0.387	6.15
34) C	Hexachlorobuta...	0.168	0.231	0.253	0.201	0.207	0.214	0.214	0.213	12.35
35)	Caprolactam	0.061	0.091	0.089	0.057	0.091	0.090	0.088	0.081	18.88
36) C	4-Chloro-3-met...	0.231	0.331	0.357	0.209	0.299	0.316	0.319	0.294	18.44
37)	2-Methylnaphth...	0.462	0.674	0.696	0.410	0.463	0.613	0.606	0.561	20.36
38)	1-Methylnaphth...	0.436	0.658	0.678	0.399	0.426	0.586	0.586	0.539	21.56

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.615	0.609	0.670	0.570	0.597	0.829	0.583	0.639	14.02
41) P	Hexachlorocycl...	0.005	0.035	0.061	0.098	0.143		0.068		78.95
42) S	2,4,6-Tribromo...	0.204	0.194	0.225	0.199	0.211	0.212	0.207	0.208	4.91
43) C	2,4,6-Trichlor...	0.348	0.351	0.400	0.344	0.368	0.399	0.355	0.366	6.48
44)	2,4,5-Trichlor...	0.391	0.360	0.413	0.360	0.379	0.396	0.372	0.382	5.13
45) S	2-Fluorobiphenyl	1.480	1.421	1.546	1.276	1.308	1.353	1.279	1.380	7.60
46)	1,1'-Biphenyl	1.471	1.495	1.607	1.349	1.412	1.451	1.383	1.453	5.84
47)	2-Chloronaphth...	1.169	1.156	1.233	1.062	1.091	1.134	1.070	1.130	5.43
48)	2-Nitroaniline	0.410	0.389	0.439	0.381	0.397	0.411	0.388	0.402	4.86
49)	Acenaphthylene	1.761	1.765	1.886	1.583	1.640	1.666	1.584	1.698	6.57
50)	Dimethylphthalate	1.369	1.334	1.456	1.238	1.284	1.340	1.280	1.329	5.37
51)	2,6-Dinitrotol...	0.279	0.280	0.305	0.260	0.274	0.282	0.268	0.278	5.04
52) C	Acenaphthene	1.081	1.067	1.126	0.944	0.982	1.023	0.959	1.026	6.64
53)	3-Nitroaniline	0.309	0.314	0.330	0.287	0.302	0.310	0.293	0.306	4.68
54) P	2,4-Dinitrophenol	0.060	0.097	0.108	0.129	0.135	0.136	0.111		26.72
55)	Dibenzofuran	1.716	1.647	1.770	1.453	1.505	1.570	1.465	1.589	7.86
56) P	4-Nitrophenol	0.071	0.115	0.107	0.120	0.120	0.126	0.110		18.17
57)	2,4-Dinitrotol...	0.379	0.366	0.410	0.345	0.352	0.363	0.346	0.366	6.27
58)	Fluorene	1.325	1.304	1.378	1.154	1.190	1.236	1.170	1.251	6.86
59)	2,3,4,6-Tetrac...	0.222	0.264	0.290	0.285	0.299	0.297	0.290	0.278	9.75
60)	Diethylphthalate	1.345	1.297	1.428	1.200	1.252	1.294	1.236	1.293	5.85
61)	4-Chlorophenyl...	0.681	0.660	0.708	0.589	0.609	0.632	0.587	0.638	7.35
62)	4-Nitroaniline	0.295	0.313	0.320	0.272	0.277	0.282	0.266	0.289	7.17
63)	Azobenzene	1.363	1.349	1.470	1.235	1.279	1.323	1.252	1.324	6.06
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.085	0.101	0.125	0.117	0.125	0.127	0.122	0.115	13.82
66) c	n-Nitrosodiphe...	0.626	0.643	0.668	0.576	0.595	0.607	0.589	0.615	5.30
67)	4-Bromophenyl-...	0.223	0.219	0.243	0.206	0.214	0.219	0.212	0.219	5.33
68)	Hexachlorobenzene	0.246	0.238	0.269	0.230	0.239	0.242	0.229	0.242	5.54
69)	Atrazine	0.201	0.197	0.211	0.180	0.174	0.172	0.156	0.184	10.31
70) C	Pentachlorophenol	0.021	0.036	0.045	0.053	0.056	0.056	0.044		31.45#
71)	Phenanthrene	1.023	1.045	1.087	0.928	0.961	0.967	0.925	0.991	6.23
72)	Anthracene	1.014	1.037	1.094	0.922	0.961	0.966	0.926	0.989	6.36
73)	Carbazole	0.996	0.990	1.031	0.866	0.905	0.910	0.861	0.937	7.25
74)	Di-n-butylphth...	1.097	1.068	1.195	1.002	1.028	1.048	1.008	1.064	6.29
75) C	Fluoranthene	1.128	0.770	1.208	0.997	1.027	1.032	0.968	1.019	13.46
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.592	0.487	0.466	0.310	0.278	0.235	0.395		35.62
78)	Pyrene	1.357	1.391	1.496	1.327	1.455	1.480	1.507	1.430	5.01
79) S	Terphenyl-d14	1.068	1.068	1.136	0.997	1.098	1.095	1.089	1.079	3.96
80)	Butylbenzylpht...	0.532	0.546	0.613	0.544	0.582	0.598	0.600	0.573	5.60
81)	Benzo(a)anthra...	1.278	1.256	1.347	1.163	1.209	1.232	1.203	1.241	4.83
82)	3,3'-Dichlorob...	0.317	0.321	0.325	0.252	0.262	0.255	0.239	0.281	13.38
83)	Chrysene	1.224	1.230	1.277	1.108	1.157	1.181	1.134	1.187	5.01
84)	Bis(2-ethylhex...	0.714	0.703	0.806	0.703	0.745	0.786	0.755	0.744	5.46
85) c	Di-n-octyl pht...	1.138	1.162	1.275	1.074	1.109	1.168	1.096	1.146	5.81

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.219	1.101	1.158	1.032	1.202	1.251	1.261	1.175	7.12	
88)	Benzo(b)fluora...	1.245	1.202	1.327	1.131	1.195	1.270	1.137	1.215	5.84	
89)	Benzo(k)fluora...	1.180	1.164	1.333	1.169	1.161	1.217	1.157	1.197	5.27	
90) C	Benzo(a)pyrene	0.995	0.984	1.066	0.921	0.971	1.006	0.959	0.986	4.55	
91)	Dibenzo(a,h)an...	0.988	0.912	0.971	0.865	0.982	1.039	1.022	0.968	6.29	
92)	Benzo(g,h,i)pe...	0.988	0.877	0.926	0.843	1.001	1.042	1.053	0.961	8.44	

(#) = Out of Range