

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF072517.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Jul 25 14:11:51 2017
 Response Via : Initial Calibration

Calibration Files

2.5 =BF097017.D 10 =BF097018.D 25 =BF097019.D 40 =BF097020.D 50 =BF097021.D 60 =BF097022.D 80 =BF097023.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.564	0.529	0.558	0.508	0.562	0.576	0.579	0.554	4.71
3)	Pyridine	1.477	1.588	1.616	1.861	1.783	1.762	1.780	1.695	8.07
4)	n-Nitrosodimet...	1.022	0.868	0.894	0.959	0.951	0.928	0.953	0.939	5.30
5) S	2-Fluorophenol	1.541	1.453	1.389	1.279	1.240	1.214	1.171	1.327	10.34
6)	Aniline	2.117	2.156	1.961	1.923	1.781	1.704	1.698	1.906	9.81
7) S	Phenol-d6	1.734	1.737	1.563	1.517	1.409	1.330	1.313	1.515	11.62
8)	2-Chlorophenol	1.568	1.552	1.542	1.407	1.330	1.292	1.241	1.419	9.58
9)	Benzaldehyde	0.988	1.089	1.000	0.866	0.732	0.703	0.897		17.39
10) C	Phenol	1.898	1.994	1.883	1.832	1.704	1.621	1.643	1.797	7.90
11)	bis(2-Chloroet...	1.491	1.482	1.551	1.435	1.359	1.333	1.296	1.421	6.62
12)	1,3-Dichlorobe...	1.661	1.624	1.610	1.517	1.486	1.417	1.386	1.529	6.97
13) C	1,4-Dichlorobe...	1.708	1.618	1.601	1.419	1.468	1.414	1.377	1.515	8.34
14)	1,2-Dichlorobe...	1.599	1.522	1.472	1.258	1.209	1.181	1.019	1.323	15.98
15)	Benzyl Alcohol	1.128	1.122	1.046	0.882	0.878	0.854	0.804	0.959	14.12
16)	2,2'-oxybis(1-...	3.113	3.128	3.044	2.649	2.766	2.617	2.633	2.850	8.27
17)	2-Methylphenol	1.183	1.173	1.145	1.028	1.048	1.021	1.066	1.095	6.38
18)	Hexachloroethane	0.587	0.579	0.589	0.531	0.538	0.533	0.522	0.554	5.33
19) P	n-Nitroso-di-n...	1.126	1.118	1.118	0.925	0.932	0.892	0.867	0.997	11.83
20)	3+4-Methylphenols	1.628	1.641	1.611	1.336	1.363	1.263	1.168	1.430	13.57
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.515	0.507	0.505	0.466	0.457	0.472	0.441	0.480	5.94
23) S	Nitrobenzene-d5	0.350	0.371	0.353	0.328	0.331	0.333	0.320	0.341	5.26
24)	Nitrobenzene	0.357	0.388	0.369	0.352	0.347	0.344	0.327	0.355	5.46
25)	Isophorone	0.710	0.688	0.688	0.635	0.647	0.666	0.640	0.668	4.30
26) C	2-Nitrophenol	0.187	0.195	0.195	0.192	0.193	0.196	0.187	0.192	1.97
27)	2,4-Dimethylph...	0.350	0.336	0.316	0.329	0.302	0.294	0.292	0.317	7.03
28)	bis(2-Chloroet...	0.482	0.472	0.435	0.436	0.424	0.399	0.402	0.436	7.30
29) C	2,4-Dichloroph...	0.303	0.294	0.281	0.282	0.261	0.254	0.237	0.273	8.63
30)	1,2,4-Trichlor...	0.289	0.280	0.265	0.254	0.249	0.246	0.239	0.260	7.17
31)	Naphthalene	1.144	1.011	0.965	0.893	0.887	0.874	0.824	0.943	11.46
32)	Benzoic acid	0.181	0.232	0.243	0.250	0.255	0.243	0.253	0.237	10.94
33)	4-Chloroaniline	0.422	0.402	0.386	0.391	0.364	0.359	0.362	0.384	6.10
34) C	Hexachlorobuta...	0.163	0.142	0.136	0.136	0.137	0.129	0.124	0.138	9.09
35)	Caprolactam	0.086	0.085	0.085	0.091	0.089	0.085	0.092	0.088	3.72
36) C	4-Chloro-3-met...	0.346	0.306	0.289	0.304	0.296	0.277	0.267	0.298	8.65
37)	2-Methylnaphth...	0.715	0.621	0.611	0.593	0.566	0.548	0.524	0.597	10.45

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38) I	Acenaphthene-d10	-----ISTD-----									
39)	1,2,4,5-Tetrac...	0.600	0.601	0.556	0.545	0.521	0.476	0.436	0.534	11.49	
40) P	Hexachlorocycl...		0.076	0.138	0.174	0.184	0.175	0.187	0.156	27.49	
41) S	2,4,6-Tribromo...	0.184	0.183	0.166	0.152	0.149	0.142	0.129	0.158	13.06	
42) C	2,4,6-Trichlor...	0.422	0.410	0.396	0.398	0.382	0.351	0.349	0.387	7.24	
43)	2,4,5-Trichlor...	0.423	0.422	0.401	0.402	0.386	0.339	0.337	0.387	9.28	
44) S	2-Fluorobiphenyl		1.508	1.283	1.187	1.121	1.029	0.944	1.178	16.99	
45)	1,1'-Biphenyl	2.093	1.943	1.762	1.730	1.577	1.479	1.374	1.708	14.90	
46)	2-Chloronaphth...	1.511	1.402	1.258	1.271	1.175	1.130	1.054	1.257	12.57	
47)	2-Nitroaniline	0.475	0.467	0.443	0.496	0.447	0.434	0.433	0.456	5.22	
48)	Acenaphthylene	2.414	2.183	2.049	1.814	1.769	1.702	1.576	1.930	15.38	
49)	Dimethylphthalate	1.811	1.660	1.497	1.432	1.445	1.397	1.389	1.519	10.43	
50)	2,6-Dinitrotol...	0.347	0.356	0.325	0.313	0.321	0.303	0.289	0.322	7.31	
51) C	Acenaphthene	1.422	1.236	1.158	1.083	1.059	1.042	0.955	1.137	13.57	
52)	3-Nitroaniline	0.443	0.432	0.397	0.379	0.382	0.391	0.374	0.400	6.80	
53) P	2,4-Dinitrophenol		0.098	0.138	0.153	0.163	0.161	0.166	0.146	17.48	
54)	Dibenzofuran	1.862	1.768	1.578	1.451	1.414	1.314	1.211	1.514	15.61	
55) P	4-Nitrophenol	0.187	0.241	0.254	0.249	0.247	0.238	0.248	0.238	9.73	
56)	2,4-Dinitrotol...	0.420	0.431	0.386	0.354	0.353	0.327	0.320	0.370	11.73	
57)	Fluorene		1.473	1.266	1.108	1.087	1.002	0.891	1.138	18.07	
58)	2,3,4,6-Tetrac...	0.263	0.294	0.282	0.261	0.269	0.262	0.240	0.267	6.40	
59)	Diethylphthalate	1.586	1.571	1.430	1.318	1.356	1.288	1.204	1.393	10.31	
60)	4-Chlorophenyl...		0.617	0.529	0.459	0.442	0.412	0.360	0.470	19.39	
61)	4-Nitroaniline	0.366	0.419	0.406	0.379	0.384	0.364	0.341	0.380	6.96	
62)	Azobenzene	1.393	1.389	1.335	1.352	1.302	1.206	1.070	1.293	9.03	
63) I	Phenanthrene-d10	-----ISTD-----									
64)	4,6-Dinitro-2-...	0.072	0.117	0.137	0.126	0.141	0.137	0.139	0.124	19.59	
65) c	n-Nitrosodiphe...	0.827	0.765	0.715	0.626	0.672	0.650	0.617	0.696	11.12	
66)	4-Bromophenyl-...	0.222	0.217	0.211	0.183	0.196	0.185	0.183	0.200	8.46	
67)	Hexachlorobenzene	0.268	0.242	0.230	0.204	0.216	0.207	0.198	0.224	11.13	
68)	Atrazine	0.239	0.224	0.210	0.178	0.189	0.183	0.174	0.200	12.55	
69) C	Pentachlorophenol		0.073	0.092	0.093	0.101	0.095	0.101	0.093	11.07	
70)	Phenanthrene	1.297	1.158	1.150	0.996	0.999	0.970	0.931	1.072	12.39	
71)	Anthracene	1.316	1.254	1.170	1.015	1.019	0.987	0.922	1.098	13.57	
72)	Carbazole	1.289	1.253	1.108	0.972	1.026	0.959	0.949	1.079	13.16	
73)	Di-n-butylphth...	1.544	1.451	1.425	1.229	1.287	1.222	1.183	1.334	10.35	
74) C	Fluoranthene	1.251	1.238	1.114	0.927	0.969	0.964	0.886	1.050	14.33	
75) I	Chrysene-d12	-----ISTD-----									
76)	Benzidine	0.724	0.868	0.751	0.803	0.720	0.654	0.674	0.742	9.96	
77)	Pyrene	1.522	1.568	1.540	1.543	1.743	1.716	1.829	1.637	7.50	
78) S	Terphenyl-d14	1.088	1.029	0.918	0.918	0.982	0.932	1.001	0.981	6.52	
79)	Butylbenzylphth...	0.705	0.756	0.803	0.820	0.924	0.843	0.979	0.833	11.27	
80)	Benzo(a)anthra...	1.248	1.270	1.249	1.240	1.373	1.314	1.365	1.294	4.39	
81)	3,3'-Dichlorob...	0.484	0.494	0.479	0.468	0.512	0.481	0.498	0.488	2.91	
82)	Chrysene	1.267	1.241	1.184	1.211	1.313	1.262	1.368	1.264	4.91	

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83)	Bis(2-ethylhex...	1.061	1.047	1.034	1.048	1.142	1.127	1.153	1.087	4.68
84) c	Di-n-octyl pht...	1.925	1.935	1.913	1.967	2.077	1.942	2.211	1.996	5.50
85)	Indeno(1,2,3-c...	1.133	1.097	0.975	0.980	1.089	1.064	1.246	1.084	8.58
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.350	1.263	1.345	1.144	1.106	1.096	1.113	1.202	9.47
88)	Benzo(k)fluora...	1.316	1.266	1.187	1.084	1.111	1.091	0.964	1.146	10.48
89) C	Benzo(a)pyrene	1.244	1.186	1.153	1.030	1.075	1.028	0.987	1.100	8.65
90)	Dibenzo(a,h)an...	1.138	0.953	0.885	0.821	0.838	0.835	0.845	0.902	12.53
91)	Benzo(g,h,i)pe...	1.126	0.949	0.917	0.868	0.923	0.919	0.921	0.946	8.76

(#) = Out of Range