

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF111915.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Nov 20 01:33:39 2015
 Response Via : Initial Calibration

Calibration Files

2.5 =BF083041.D 10 =BF083042.D 25 =BF083043.D 40 =BF083044.D 50 =BF083045.D 60 =BF083046.D 80 =BF083047.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.807	0.606	0.554	0.521	0.521	0.521	0.557	0.584	17.65
3)	Pyridine	1.490	1.423	1.516	1.686	1.617	1.632	1.714	1.583	6.83
4)	n-Nitrosodimet...	0.778	0.806	0.809	0.754	0.802	0.796	0.860	0.801	4.06
5) S	2-Fluorophenol	1.435	1.347	1.270	1.181	1.194	1.232	1.356	1.288	7.32
6)	Aniline	2.443	2.434	2.438	2.187	2.235	2.225	2.275	2.320	4.91
7) S	Phenol-d6	1.797	1.762	1.703	1.639	1.702	1.536	1.732	1.696	5.09
8)	2-Chlorophenol	1.617	1.455	1.502	1.343	1.323	1.326	1.486	1.436	7.71
9)	Benzaldehyde	1.251	1.067	0.975	0.846	0.842	0.757	0.694	0.919	21.00
10) C	Phenol	2.057	2.096	1.890	1.798	2.137	1.762	2.094	1.976	7.88
11)	bis(2-Chloroet...	1.587	1.372	1.512	1.308	1.374	1.414	1.485	1.436	6.70
12)	1,3-Dichlorobe...	1.743	1.577	1.561	1.530	1.636	1.585	1.621	1.608	4.31
13) C	1,4-Dichlorobe...	1.791	1.661	1.585	1.513	1.564	1.560	1.725	1.628	6.19
14)	1,2-Dichlorobe...	1.661	1.574	1.624	1.497	1.463	1.330	1.384	1.505	8.16
15)	Benzyl Alcohol	1.445	1.389	1.531	1.306	1.328	1.389	1.379	1.395	5.39
16)	2,2'-oxybis(1-...	2.362	2.218	2.241	2.210	2.255	2.176	2.204	2.238	2.70
17)	2-Methylphenol	1.261	1.137	1.312	1.138	1.132	1.152	1.262	1.199	6.35
18)	Hexachloroethane	0.719	0.605	0.601	0.560	0.580	0.564	0.560	0.598	9.44
19) P	n-Nitroso-di-n...	1.374	1.199	1.297	1.113	1.267	1.104	1.322	1.239	8.41
20)	3+4-Methylphenols	1.655	1.603	1.632	1.572	1.489	1.379	1.614	1.563	6.23
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.612	0.606	0.549	0.531	0.552	0.534	0.538	0.560	6.11
23) S	Nitrobenzene-d5	0.506	0.473	0.427	0.433	0.392	0.383	0.444	0.437	9.88
24)	Nitrobenzene	0.468	0.443	0.471	0.384	0.444	0.481	0.393	0.441	8.63
25)	Isophorone	0.919	0.850	0.807	0.827	0.760	0.771	0.834	0.824	6.48
26) C	2-Nitrophenol	0.205	0.206	0.192	0.175	0.173	0.185	0.212	0.193	8.18
27)	2,4-Dimethylph...	0.301	0.316	0.353	0.337	0.292	0.280	0.350	0.318	9.09
28)	bis(2-Chloroet...	0.494	0.433	0.485	0.501	0.462	0.431	0.425	0.462	7.02
29) C	2,4-Dichloroph...	0.325	0.318	0.333	0.313	0.281	0.271	0.320	0.309	7.55
30)	1,2,4-Trichlor...	0.389	0.367	0.365	0.333	0.316	0.305	0.319	0.342	9.26
31)	Naphthalene	1.107	1.043	1.097	1.083	1.048	0.998	0.919	1.042	6.32
32)	Benzoic acid	0.145	0.190	0.211	0.183	0.211	0.201	0.216	0.194	12.77
33)	4-Chloroaniline	0.522	0.477	0.439	0.404	0.418	0.455	0.459	0.453	8.65
34) C	Hexachlorobuta...	0.238	0.223	0.221	0.213	0.199	0.200	0.201	0.214	6.98
35)	Caprolactam	0.108	0.094	0.104	0.093	0.091	0.101	0.096	0.098	6.63
36) C	4-Chloro-3-met...	0.386	0.389	0.334	0.367	0.345	0.310	0.367	0.357	8.05
37)	2-Methylnaphth...	0.806	0.730	0.693	0.635	0.623	0.642	0.727	0.694	9.51

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38) I	Acenaphthene-d10	-----ISTD-----									
39)	1,2,4,5-Tetrac...	0.707	0.703	0.743	0.640	0.617	0.585	0.621	0.660	8.81	
40) P	Hexachlorocycl...		0.227	0.302	0.290	0.324	0.334	0.366	0.307	15.42	
41) S	2,4,6-Tribromo...	0.209	0.218	0.235	0.200	0.202	0.210	0.212	0.212	5.56	
42) C	2,4,6-Trichlor...	0.521	0.484	0.508	0.455	0.447	0.460	0.475	0.479	5.79	
43)	2,4,5-Trichlor...	0.465	0.439	0.493	0.497	0.506	0.469	0.472	0.477	4.82	
44) S	2-Fluorobiphenyl	1.772	1.515	1.454	1.409	1.545	1.489	1.211	1.485	11.30	
45)	1,1'-Biphenyl	1.925	1.850	1.987	1.667	1.591	1.520	1.777	1.760	9.90	
46)	2-Chloronaphth...	1.386	1.288	1.503	1.374	1.312	1.220	1.288	1.339	6.86	
47)	2-Nitroaniline	0.512	0.507	0.493	0.462	0.517	0.560	0.484	0.505	6.10	
48)	Acenaphthylene	2.355	2.282	2.488	2.140	2.033	1.976	2.153	2.204	8.23	
49)	Dimethylphthalate	1.886	1.606	1.795	1.624	1.492	1.646	1.474	1.646	9.11	
50)	2,6-Dinitrotol...	0.372	0.323	0.382	0.387	0.330	0.306	0.384	0.355	9.51	
51) C	Acenaphthene	1.492	1.414	1.459	1.300	1.311	1.353	1.419	1.393	5.26	
52)	3-Nitroaniline	0.378	0.391	0.399	0.387	0.469	0.409	0.400	0.405	7.38	
53) P	2,4-Dinitrophenol		0.125	0.177	0.180	0.214	0.195	0.192	0.181	16.66	
54)	Dibenzofuran	2.082	1.976	2.012	1.740	1.715	1.673	1.867	1.866	8.64	
55) P	4-Nitrophenol	0.246	0.274	0.277	0.313	0.275	0.249	0.311	0.278	9.50	
56)	2,4-Dinitrotol...	0.476	0.464	0.540	0.492	0.421	0.455	0.477	0.475	7.66	
57)	Fluorene	1.663	1.563	1.669	1.502	1.339	1.298	1.477	1.502	9.65	
58)	2,3,4,6-Tetrac...	0.361	0.359	0.434	0.407	0.399	0.366	0.372	0.386	7.38	
59)	Diethylphthalate	1.698	1.545	1.738	1.630	1.499	1.516	1.611	1.605	5.67	
60)	4-Chlorophenyl...	0.744	0.672	0.744	0.723	0.751	0.712	0.578	0.703	8.75	
61)	4-Nitroaniline	0.383	0.389	0.415	0.424	0.417	0.434	0.432	0.413	4.92	
62)	Azobenzene	1.861	1.636	1.847	1.808	1.933	1.869	1.632	1.798	6.56	
63) I	Phenanthrene-d10	-----ISTD-----									
64)	4,6-Dinitro-2-...	0.084	0.123	0.132	0.152	0.133	0.131	0.138	0.128	16.51	
65) c	n-Nitrosodiphe...	0.741	0.749	0.783	0.621	0.668	0.700	0.644	0.701	8.50	
66)	4-Bromophenyl-...	0.270	0.237	0.234	0.211	0.211	0.224	0.235	0.232	8.63	
67)	Hexachlorobenzene	0.290	0.271	0.265	0.233	0.227	0.224	0.263	0.253	9.98	
68)	Atrazine	0.259	0.246	0.224	0.226	0.203	0.179	0.201	0.220	12.60	
69) C	Pentachlorophenol	0.098	0.117	0.148	0.131	0.134	0.134	0.143	0.129	12.89	
70)	Phenanthrene	1.405	1.242	1.301	1.204	1.185	1.135	0.975	1.207	11.18	
71)	Anthracene	1.443	1.345	1.302	1.070	1.056	1.100	1.192	1.216	12.41	
72)	Carbazole	1.204	1.139	1.218	1.054	0.935	0.897	0.991	1.063	12.09	
73)	Di-n-butylphth...	1.670	1.508	1.466	1.267	1.181	1.140	1.149	1.340	15.54	
74) C	Fluoranthene	1.547	1.387	1.306	1.108	1.124	1.111	1.220	1.258	13.20	
75) I	Chrysene-d12	-----ISTD-----									
76)	Benzidine	0.664	0.678	0.775	0.662	0.599	0.589	0.613	0.654	9.71	
77)	Pyrene	1.383	1.361	1.545	1.312	1.254	1.351	1.651	1.408	9.91	
78) S	Terphenyl-d14	0.909	0.814	0.827	0.796	0.876	0.885	0.823	0.847	4.99	
79)	Butylbenzylphth...	0.575	0.543	0.610	0.593	0.603	0.660	0.770	0.622	11.95	
80)	Benzo(a)anthra...	1.306	1.210	1.324	1.260	1.203	1.230	1.365	1.271	4.86	
81)	3,3'-Dichlorob...	0.461	0.416	0.460	0.388	0.385	0.403	0.483	0.428	9.22	
82)	Chrysene	1.251	1.196	1.271	0.929	1.042	1.174	1.295	1.165	11.49	

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83)	Bis(2-ethylhex...	0.808	0.780	0.856	0.770	0.780	0.796	0.905	0.813	6.09
84) c	Di-n-octyl pht...	1.294	1.278	1.384	1.226	1.253	1.332	1.511	1.325	7.31
85)	Indeno(1,2,3-c...	0.922	0.896	0.930	0.863	0.914	0.961	1.152	0.948	9.98
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.489	1.532	1.274	1.185	1.515	1.473	1.321	1.399	9.80
88)	Benzo(k)fluora...	1.211	0.954	1.272	1.237	0.883	0.917	0.983	1.065	15.69
89) C	Benzo(a)pyrene	1.196	1.126	1.186	1.108	1.064	1.049	1.127	1.122	4.95
90)	Dibenzo(a,h)an...	0.987	0.925	0.976	0.946	0.958	0.991	1.052	0.977	4.19
91)	Benzo(g,h,i)pe...	0.923	0.889	0.941	0.928	0.954	0.985	1.049	0.953	5.44

(#) = Out of Range