

Method Path : Z:\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF102116.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Oct 21 17:36:31 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BF090704.D 10 =BF090705.D 25 =BF090706.D 40 =BF090707.D 50 =BF090708.D 60 =BF090710.D 80 =BF090709.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.809	0.797	0.735	0.701	0.691	0.655	0.636	0.718	9.26
3)	Pyridine	1.358	1.627	1.839	1.803	1.786	1.734	1.624	1.681	9.82
4)	n-Nitrosodimet...		0.459	0.564	0.588	0.616	0.618	0.607	0.575	10.52
5) S	2-Fluorophenol	0.913	1.260	1.436	1.388	1.303	1.286	1.095	1.240	14.53
6)	Aniline	1.583	1.912	2.101	2.042	1.985	1.921	1.787	1.904	9.14
7) S	Phenol-d6	1.623	1.851	1.858	1.774	1.656	1.557	1.440	1.680	9.30
8)	2-Chlorophenol	1.495	1.601	1.580	1.532	1.550	1.333	1.329	1.489	7.57
9)	Benzaldehyde		1.120	0.978	0.889	0.849	0.757		0.918	14.99
10) C	Phenol	2.036	1.979	1.952	2.038	1.818	1.856	1.538	1.888	9.30
11)	bis(2-Chloroet...	1.495	1.699	1.804	1.613	1.622	1.467	1.405	1.587	8.81
12)	1,3-Dichlorobe...	1.503	1.565	1.616	1.468	1.464	1.435	1.417	1.495	4.80
13) C	1,4-Dichlorobe...	1.625	1.644	1.735	1.642	1.605	1.465	1.387	1.586	7.49
14)	1,2-Dichlorobe...	1.841	1.721	1.648	1.477	1.504	1.462	1.217	1.553	13.14
15)	Benzyl Alcohol	0.956	1.213	1.353	1.254	1.168	1.107	0.937	1.141	13.42
16)	2,2'-oxybis(1-...		2.876	2.685	2.381	2.245	2.124	1.946	2.376	14.72
17)	2-Methylphenol	1.037	1.158	1.244	1.125	1.111	1.134	1.043	1.122	6.31
18)	Hexachloroethane	0.709	0.684	0.689	0.626	0.622	0.600	0.578	0.644	7.74
19) P	n-Nitroso-di-n...	1.380	1.418	1.280	1.168	1.008			1.251	13.35
20)	3+4-Methylphenols	1.214	1.489	1.493	1.444	1.336	1.302	1.030	1.330	12.62
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.455	0.493	0.469	0.454	0.442	0.417	0.389	0.446	7.63
23) S	Nitrobenzene-d5	0.353	0.377	0.409	0.376	0.359	0.353	0.325	0.365	7.15
24)	Nitrobenzene	0.365	0.411	0.407	0.412	0.421	0.363	0.389	0.395	5.97
25)	Isophorone	0.782	0.741	0.655	0.669	0.657	0.673	0.655	0.690	7.31
26) C	2-Nitrophenol	0.120	0.156	0.166	0.165	0.168	0.187	0.169	0.161	12.63
27)	2,4-Dimethylph...	0.325	0.251	0.289	0.286	0.276	0.300	0.277	0.286	8.01
28)	bis(2-Chloroet...	0.375	0.381	0.386	0.365	0.374	0.408	0.355	0.378	4.39
29) C	2,4-Dichloroph...	0.196	0.228	0.234	0.249	0.250	0.244	0.245	0.235	8.03
30)	1,2,4-Trichlor...	0.252	0.277	0.287	0.284	0.285	0.275	0.276	0.277	4.25
31)	Naphthalene	1.112	1.077	1.058	0.971	0.907	0.856	0.868	0.978	10.75
32)	Benzoic acid		0.126	0.160	0.180	0.190	0.215	0.223	0.182	19.63
33)	4-Chloroaniline	0.303	0.360	0.380	0.366	0.369	0.394	0.366	0.363	7.95
34) C	Hexachlorobuta...	0.144	0.147	0.147	0.155	0.158	0.170	0.167	0.156	6.56
35)	Caprolactam	0.055	0.066	0.067	0.068	0.063	0.070	0.082	0.067	12.20
36) C	4-Chloro-3-met...	0.260	0.292	0.268	0.263	0.282	0.274	0.273	0.273	4.01
37)	2-Methylnaphth...	0.579	0.590	0.572	0.562	0.564	0.604	0.532	0.572	4.00

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38)	I	Acenaphthene-d10	-----ISTD-----								
39)		1,2,4,5-Tetrac...	0.475	0.548	0.612	0.569	0.532	0.493	0.551	0.540	8.52
40)	P	Hexachlorocycl...		0.197	0.265	0.267	0.274	0.252	0.266	0.254	11.31
41)	S	2,4,6-Tribromo...	0.123	0.148	0.152	0.171	0.174	0.160	0.180	0.158	12.39
42)	C	2,4,6-Trichlor...	0.277	0.311	0.356	0.365	0.355	0.335	0.344	0.335	9.21
43)		2,4,5-Trichlor...	0.319	0.350	0.355	0.341	0.333	0.346	0.335	0.340	3.60
44)	S	2-Fluorobiphenyl	1.382	1.460	1.367	1.244	1.215	1.063		1.288	11.13
45)		1,1'-Biphenyl	1.562	1.684	1.826	1.629	1.513	1.443	1.338	1.571	10.25
46)		2-Chloronaphth...	1.157	1.273	1.327	1.170	1.113	1.111	1.021	1.167	8.85
47)		2-Nitroaniline	0.314	0.398	0.431	0.419	0.409	0.372	0.371	0.387	10.24
48)		Acenaphthylene	1.972	2.028	1.978	1.777	1.760	1.563	1.392	1.781	13.29
49)		Dimethylphthalate	1.207	1.355	1.382	1.214	1.265	1.201	1.173	1.257	6.49
50)		2,6-Dinitrotol...	0.217	0.269	0.264	0.297	0.288	0.293	0.264	0.270	10.04
51)	C	Acenaphthene	1.282	1.337	1.238	1.217	1.214	1.026	0.964	1.183	11.51
52)		3-Nitroaniline	0.267	0.327	0.328	0.329	0.320	0.311	0.292	0.311	7.55
53)	P	2,4-Dinitrophenol		0.073	0.093	0.115	0.122	0.137	0.154	0.116	25.59
54)		Dibenzofuran	1.457	1.536	1.529	1.495	1.482	1.333	1.195	1.432	8.71
55)	P	4-Nitrophenol		0.108	0.142	0.174	0.173	0.201	0.187	0.164	20.49
56)		2,4-Dinitrotol...		0.299	0.332	0.359	0.315	0.368	0.310	0.330	8.42
57)		Fluorene	1.243	1.362	1.309	1.220	1.192	1.081	0.904	1.187	12.92
58)		2,3,4,6-Tetrac...	0.225	0.234	0.286	0.295	0.286	0.256	0.285	0.267	10.57
59)		Diethylphthalate	1.375	1.478	1.346	1.299	1.279	1.132	1.215	1.303	8.59
60)		4-Chlorophenyl...	0.466	0.559	0.600	0.611	0.586	0.484	0.492	0.543	11.16
61)		4-Nitroaniline		0.310	0.324	0.314	0.309	0.319	0.310	0.315	1.92
62)		Azobenzene	1.553	1.716	1.683	1.628	1.533	1.297	1.274	1.526	11.59
63)	I	Phenanthrene-d10	-----ISTD-----								
64)		4,6-Dinitro-2-...		0.088	0.105	0.121	0.134	0.139	0.128	0.119	16.20
65)	c	n-Nitrosodipe...	0.568	0.667	0.715	0.665	0.661	0.628	0.583	0.641	8.07
66)		4-Bromophenyl-...	0.165	0.180	0.184	0.205	0.220	0.208	0.196	0.194	9.69
67)		Hexachlorobenzene	0.213	0.216	0.224	0.226	0.239	0.255	0.230	0.229	6.25
68)		Atrazine	0.162	0.194	0.196	0.173	0.174	0.161	0.177	0.177	7.92
69)	C	Pentachlorophenol		0.090	0.105	0.114	0.114	0.141	0.143	0.118	17.40
70)		Phenanthrene	1.046	1.084	1.075	1.030	1.059	0.974	0.868	1.019	7.46
71)		Anthracene	1.090	1.148	1.187	1.191	1.146	1.091	1.062	1.131	4.48
72)		Carbazole	0.906	0.969	0.984	1.001	0.999	0.910	0.848	0.945	6.16
73)		Di-n-butylphth...	1.176	1.335	1.316	1.374	1.308	1.100	0.973	1.226	12.04
74)	C	Fluoranthene	0.937	1.046	1.054	0.989	0.911	1.049	0.916	0.986	6.58
75)	I	Chrysene-d12	-----ISTD-----								
76)		Benzidine	0.428	0.486	0.490	0.488	0.450	0.388	0.379	0.444	10.66
77)		Pyrene	1.530	1.449	1.399	1.319	1.277	1.477	1.327	1.397	6.69
78)	S	Terphenyl-d14	0.832	0.901	0.921	0.893	0.843	0.915	0.804	0.873	5.25
79)		Butylbenzylphth...	0.582	0.637	0.637	0.670	0.611	0.707	0.650	0.642	6.24
80)		Benzo(a)anthra...	1.146	1.152	1.115	1.102	1.051	1.081	1.014	1.094	4.58
81)		3,3'-Dichlorob...	0.339	0.386	0.399	0.399	0.371	0.394	0.368	0.379	5.77
82)		Chrysene	1.093	1.034	1.122	1.106	1.072	1.063	0.987	1.068	4.32

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83)	Bis(2-ethylhex...	0.889	1.012	0.983	0.991	0.898	0.879	0.779	0.919	8.92
84) c	Di-n-octyl pht...	1.416	1.531	1.495	1.448	1.341	1.310	1.220	1.394	7.88
85)	Indeno(1,2,3-c...	0.935	0.877	1.027	0.985	1.066	0.806	0.827	0.932	10.71
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	0.975	1.086	1.459	1.338	1.290	1.242	1.218	1.230	13.03
88)	Benzo(k)fluora...	1.295	1.330	1.023	1.143	1.136	1.373	1.352	1.236	10.90
89) C	Benzo(a)pyrene	1.128	1.133	1.157	1.173	1.153	1.171	1.162	1.154	1.52
90)	Dibenzo(a,h)an...	0.973	1.016	1.161	1.174	1.217	1.075	1.139	1.108	8.05
91)	Benzo(g,h,i)pe...	1.036	1.045	1.119	1.103	1.171	0.997	1.051	1.075	5.50

(#) = Out of Range