

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
 Method File : 8270-BM051117.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu May 11 19:50:16 2017
 Response Via : Initial Calibration

Calibration Files

2.5 =BM009985.D 10 =BM009986.D 25 =BM009987.D 40 =BM009988.D 50 =BM009989.D 60 =BM009990.D 80 =BM009991.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.455	0.455	0.482	0.489	0.493	0.465	0.476	0.474	3.33
3)	Pyridine	1.628	1.582	1.736	1.825	1.811	1.796	1.837	1.745	5.84
4)	n-Nitrosodimet...	0.872	0.912	0.931	1.011	0.993	0.966	1.005	0.956	5.50
5) S	2-Fluorophenol	1.131	1.274	1.291	1.321	1.311	1.281	1.338	1.278	5.39
6)	Aniline	2.313	2.497	2.710	2.755	2.777	2.758	2.801	2.659	6.89
7) S	Phenol-d6	1.898	1.885	2.013	2.134	2.183	2.088	2.134	2.048	5.81
8)	2-Chlorophenol	1.292	1.276	1.407	1.460	1.442	1.408	1.428	1.387	5.28
9)	Benzaldehyde	1.563	1.554	1.645	1.618	1.533	1.441	1.375	1.533	6.20
10) C	Phenol	2.078	2.089	2.222	2.311	2.279	2.284	2.314	2.225	4.57
11)	bis(2-Chloroet...	1.573	1.701	1.688	1.801	1.781	1.760	1.809	1.730	4.84
12)	1,3-Dichlorobe...	1.591	1.392	1.530	1.594	1.600	1.565	1.570	1.549	4.71
13) C	1,4-Dichlorobe...	1.557	1.485	1.595	1.633	1.626	1.584	1.629	1.587	3.34
14)	1,2-Dichlorobe...	1.406	1.422	1.612	1.591	1.601	1.557	1.584	1.539	5.67
15)	Benzyl Alcohol	1.537	1.496	1.798	1.857	1.874	1.786	1.869	1.745	9.18
16)	2,2'-oxybis(1-...	2.481	2.602	2.803	2.898	2.826	2.792	2.820	2.746	5.39
17)	2-Methylphenol	1.279	1.353	1.476	1.531	1.520	1.493	1.516	1.453	6.71
18)	Hexachloroethane	0.513	0.623	0.668	0.724	0.674	0.706	0.700	0.658	10.92
19) P	n-Nitroso-di-n...	1.701	1.597	1.902	1.981	1.952	1.920	1.951	1.858	7.95
20)	3+4-Methylphenols	1.608	1.751	2.061	2.088	2.138	2.084	2.112	1.977	10.58
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.550	0.606	0.599	0.612	0.620	0.642	0.651	0.611	5.39
23) S	Nitrobenzene-d5	0.469	0.520	0.546	0.560	0.569	0.582	0.584	0.547	7.48
24)	Nitrobenzene	0.559	0.578	0.563	0.581	0.590	0.601	0.605	0.582	3.02
25)	Isophorone	0.764	0.890	0.944	0.966	0.994	1.013	1.022	0.942	9.60
26) C	2-Nitrophenol	0.137	0.155	0.170	0.181	0.186	0.198	0.201	0.175	13.27
27)	2,4-Dimethylph...	0.283	0.313	0.326	0.342	0.332	0.347	0.354	0.328	7.38
28)	bis(2-Chloroet...	0.496	0.559	0.557	0.579	0.566	0.603	0.611	0.567	6.68
29) C	2,4-Dichloroph...	0.283	0.302	0.318	0.318	0.324	0.342	0.349	0.319	7.11
30)	1,2,4-Trichlor...	0.346	0.354	0.367	0.377	0.382	0.391	0.393	0.373	4.83
31)	Naphthalene	1.039	1.068	1.086	1.102	1.111	1.150	1.152	1.101	3.75
32)	Benzoic acid		0.165	0.204	0.221	0.232	0.241	0.255	0.220	14.49
33)	4-Chloroaniline	0.410	0.437	0.463	0.482	0.484	0.499	0.502	0.468	7.30
34) C	Hexachlorobuta...	0.235	0.245	0.245	0.261	0.260	0.263	0.266	0.254	4.63
35)	Caprolactam		0.110	0.125	0.125	0.124	0.131	0.135	0.125	6.77
36) C	4-Chloro-3-met...	0.363	0.401	0.426	0.437	0.448	0.456	0.457	0.427	8.06
37)	2-Methylnaphth...	0.736	0.757	0.779	0.785	0.791	0.835	0.834	0.788	4.66

Method Path : Z:\HPCHEM1\BNA_M\METHODS\
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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.755	0.672	0.699	0.736	0.744	0.741	0.749	0.728	4.20
40) P	Hexachlorocycl...		0.015	0.071	0.108	0.133	0.161	0.182	0.112	54.89
41) S	2,4,6-Tribromo...	0.206	0.255	0.276	0.295	0.295	0.289	0.300	0.274	12.29
42) C	2,4,6-Trichlor...	0.373	0.435	0.451	0.457	0.473	0.468	0.480	0.448	8.14
43)	2,4,5-Trichlor...	0.418	0.456	0.488	0.505	0.521	0.505	0.515	0.487	7.62
44) S	2-Fluorobiphenyl	1.412	1.463	1.427	1.529	1.539	1.544	1.554	1.496	4.01
45)	1,1'-Biphenyl	1.577	1.632	1.625	1.686	1.712	1.685	1.733	1.664	3.29
46)	2-Chloronaphth...	1.161	1.264	1.296	1.345	1.372	1.346	1.371	1.308	5.80
47)	2-Nitroaniline	0.419	0.552	0.601	0.645	0.651	0.636	0.641	0.592	14.19
48)	Acenaphthylene	1.822	1.976	2.041	2.157	2.159	2.121	2.142	2.060	6.08
49)	Dimethylphthalate	1.621	1.729	1.713	1.805	1.842	1.793	1.836	1.763	4.51
50)	2,6-Dinitrotol...	0.287	0.344	0.358	0.377	0.388	0.376	0.372	0.357	9.58
51) C	Acenaphthene	1.180	1.302	1.258	1.323	1.350	1.324	1.348	1.298	4.68
52)	3-Nitroaniline	0.283	0.347	0.396	0.407	0.414	0.401	0.409	0.379	12.68
53) P	2,4-Dinitrophenol		0.064	0.140	0.180	0.197	0.203	0.215	0.166	34.09
54)	Dibenzofuran	1.909	1.941	1.940	2.025	2.057	2.008	2.038	1.988	2.88
55) P	4-Nitrophenol		0.210	0.234	0.265	0.276	0.262	0.278	0.254	10.52
56)	2,4-Dinitrotol...		0.465	0.515	0.534	0.557	0.543	0.556	0.529	6.58
57)	Fluorene	1.595	1.629	1.718	1.823	1.844	1.817	1.846	1.753	6.05
58)	2,3,4,6-Tetrac...	0.409	0.380	0.403	0.435	0.436	0.443	0.438	0.421	5.65
59)	Diethylphthalate	1.671	1.782	1.814	1.896	1.949	1.915	1.930	1.851	5.43
60)	4-Chlorophenyl...	0.892	0.908	0.931	0.986	1.009	0.987	0.988	0.957	4.81
61)	4-Nitroaniline	0.279	0.357	0.401	0.413	0.418	0.420	0.417	0.387	13.56
62)	Azobenzene	1.906	2.165	2.257	2.378	2.374	2.297	2.344	2.246	7.45
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.081	0.113	0.123	0.131	0.133	0.141	0.120	17.81
65) c	n-Nitrosodiphe...	0.552	0.600	0.618	0.621	0.656	0.637	0.661	0.621	6.00
66)	4-Bromophenyl-...	0.217	0.220	0.232	0.243	0.251	0.245	0.255	0.238	6.32
67)	Hexachlorobenzene	0.256	0.249	0.255	0.265	0.274	0.269	0.278	0.264	4.11
68)	Atrazine	0.189	0.210	0.229	0.242	0.245	0.235	0.238	0.227	8.96
69) C	Pentachlorophenol		0.082	0.104	0.110	0.121	0.124	0.132	0.112	16.02
70)	Phenanthrene	1.099	1.087	1.134	1.146	1.184	1.171	1.213	1.148	3.95
71)	Anthracene	1.082	1.098	1.153	1.176	1.238	1.202	1.247	1.171	5.49
72)	Carbazole	0.947	1.009	1.022	1.059	1.106	1.068	1.107	1.045	5.49
73)	Di-n-butylphth...	1.065	1.231	1.321	1.370	1.434	1.409	1.472	1.329	10.59
74) C	Fluoranthene	1.326	1.429	1.437	1.494	1.547	1.516	1.561	1.473	5.58
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.394	0.465	0.517	0.555	0.529	0.544	0.497	0.500	11.14
77)	Pyrene	1.080	1.093	1.189	1.202	1.204	1.263	1.300	1.190	6.79
78) S	Terphenyl-d14	0.855	0.848	0.935	0.941	0.965	1.036	1.062	0.949	8.60
79)	Butylbenzylphth...	0.412	0.431	0.507	0.504	0.512	0.548	0.555	0.496	11.00
80)	Benzo(a)anthra...	1.137	1.118	1.202	1.205	1.230	1.247	1.272	1.202	4.67
81)	3,3'-Dichlorob...	0.402	0.401	0.434	0.465	0.464	0.466	0.466	0.443	6.82
82)	Chrysene	1.065	1.069	1.121	1.135	1.156	1.152	1.191	1.127	4.13

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83)	Bis(2-ethylhex...	0.657	0.664	0.718	0.750	0.760	0.807	0.825	0.740	8.78
84) c	Di-n-octyl pht...	1.118	1.143	1.247	1.297	1.313	1.375	1.396	1.270	8.45
85)	Indeno(1,2,3-c...	0.893	0.866	0.930	1.013	1.011	0.957	0.979	0.950	5.97
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.298	1.282	1.296	1.319	1.411	1.415	1.461	1.354	5.32
88)	Benzo(k)fluora...	1.125	1.208	1.252	1.314	1.316	1.348	1.446	1.287	8.03
89) C	Benzo(a)pyrene	1.103	1.117	1.156	1.199	1.240	1.244	1.300	1.194	6.07
90)	Dibenzo(a,h)an...	1.008	0.972	0.995	1.064	1.114	1.088	1.136	1.054	5.98
91)	Benzo(g,h,i)pe...	0.932	0.914	0.945	0.982	1.007	1.000	1.017	0.971	4.17

(#) = Out of Range