

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG062516.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Jun 24 20:14:59 2016
 Response Via : Initial Calibration

Calibration Files

2.5 =BG022536.D 10 =BG022537.D 25 =BG022538.D 40 =BG022539.D 50 =BG022540.D 60 =BG022543.D 80 =BG022542.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.498	0.516	0.516	0.485	0.531	0.488	0.505	3.58	
3)	Pyridine	1.011	1.445	1.463	1.454	1.531	1.549	1.442	1.414	12.92
4)	n-Nitrosodimet...	0.929	0.761	0.793	0.835	0.782	0.801	0.760	0.809	7.28
5) S	2-Fluorophenol	1.431	1.295	1.214	1.244	1.178	1.220	1.146	1.247	7.53
6)	Aniline	2.270	2.392	2.282	2.376	2.333	2.338	2.321	2.330	1.92
7) S	Phenol-d6	1.988	1.777	1.755	1.765	1.724	1.684	1.610	1.758	6.66
8)	2-Chlorophenol	1.532	1.270	1.233	1.260	1.271	1.270	1.205	1.292	8.42
9)	Benzaldehyde	0.679	0.665	0.630	0.599	0.592	0.546	0.619	7.97	
10) C	Phenol	2.019	1.823	1.866	1.891	1.830	1.847	1.728	1.858	4.73
11)	bis(2-Chloroet...	1.700	1.444	1.563	1.615	1.554	1.462	1.366	1.529	7.39
12)	1,3-Dichlorobe...	1.988	1.594	1.464	1.581	1.454	1.506	1.415	1.572	12.42
13) C	1,4-Dichlorobe...	1.856	1.617	1.538	1.549	1.500	1.544	1.426	1.576	8.66
14)	1,2-Dichlorobe...	1.800	1.551	1.451	1.469	1.432	1.420	1.367	1.498	9.61
15)	Benzyl Alcohol	1.308	1.521	1.680	1.750	1.737	1.704	1.683	1.626	9.79
16)	2,2'-oxybis(1-...	1.864	1.706	1.670	1.702	1.671	1.628	1.598	1.691	5.05
17)	2-Methylphenol	1.454	1.207	1.184	1.195	1.211	1.170	1.150	1.224	8.46
18)	Hexachloroethane	0.727	0.646	0.636	0.669	0.638	0.632	0.618	0.652	5.60
19) P	n-Nitroso-di-n...	1.580	1.457	1.445	1.472	1.491	1.425	1.377	1.464	4.29
20)	3+4-Methylphenols	1.928	1.648	1.709	1.665	1.650	1.628	1.579	1.687	6.71
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.649	0.553	0.570	0.588	0.579	0.577	0.529	0.578	6.40
23) S	Nitrobenzene-d5	0.509	0.462	0.472	0.480	0.477	0.473	0.434	0.473	4.67
24)	Nitrobenzene	0.591	0.507	0.514	0.516	0.526	0.519	0.482	0.522	6.36
25)	Isophorone	1.032	0.901	0.927	0.911	0.922	0.890	0.839	0.917	6.38
26) C	2-Nitrophenol	0.191	0.172	0.188	0.186	0.198	0.197	0.186	0.188	4.62
27)	2,4-Dimethylph...	0.471	0.342	0.339	0.343	0.340	0.350	0.333	0.359	13.77
28)	bis(2-Chloroet...	0.582	0.497	0.496	0.488	0.500	0.491	0.452	0.501	7.88
29) C	2,4-Dichloroph...	0.349	0.342	0.353	0.356	0.359	0.356	0.336	0.350	2.36
30)	1,2,4-Trichlor...	0.498	0.394	0.403	0.412	0.416	0.409	0.378	0.416	9.26
31)	Naphthalene	1.162	1.016	1.014	1.000	0.995	0.969	0.881	1.005	8.30
32)	Benzoic acid	0.143	0.208	0.225	0.235	0.241	0.247	0.216	17.86	
33)	4-Chloroaniline	0.299	0.439	0.461	0.461	0.473	0.458	0.439	0.433	13.94
34) C	Hexachlorobuta...	0.348	0.322	0.319	0.329	0.320	0.324	0.300	0.323	4.42
35)	Caprolactam	0.105	0.101	0.112	0.111	0.115	0.116	0.112	0.110	4.82
36) C	4-Chloro-3-met...	0.485	0.403	0.432	0.431	0.434	0.423	0.402	0.430	6.47
37)	2-Methylnaphth...	0.894	0.786	0.776	0.776	0.775	0.747	0.703	0.780	7.44

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.957	0.757	0.745	0.736	0.689	0.738	0.664	0.755	12.58
40) P	Hexachlorocycl...	0.666	0.586	0.578	0.621	0.572	0.638	0.559	0.603	6.57
41) S	2,4,6-Tribromo...	0.343	0.308	0.321	0.316	0.303	0.310	0.301	0.315	4.60
42) C	2,4,6-Trichlor...	0.524	0.461	0.490	0.497	0.465	0.499	0.452	0.484	5.30
43)	2,4,5-Trichlor...	0.567	0.482	0.515	0.501	0.486	0.526	0.469	0.507	6.57
44) S	2-Fluorobiphenyl	1.449	1.371	1.328	1.171	1.215	1.034	1.261		11.96
45)	1,1'-Biphenyl	1.878	1.563	1.547	1.520	1.397	1.466	1.294	1.524	11.99
46)	2-Chloronaphth...	1.524	1.288	1.247	1.244	1.150	1.223	1.100	1.254	10.77
47)	2-Nitroaniline	0.515	0.443	0.485	0.493	0.478	0.506	0.468	0.484	4.98
48)	Acenaphthylene	2.109	1.922	1.888	1.830	1.692	1.734	1.553	1.818	9.87
49)	Dimethylphthalate	2.098	1.690	1.696	1.641	1.534	1.554	1.401	1.659	13.23
50)	2,6-Dinitrotol...	0.399	0.333	0.363	0.366	0.348	0.370	0.346	0.361	5.89
51) C	Acenaphthene	1.550	1.341	1.375	1.361	1.285	1.353	1.112	1.339	9.70
52)	3-Nitroaniline	0.321	0.317	0.355	0.342	0.345	0.355	0.327	0.337	4.66
53) P	2,4-Dinitrophenol	0.190	0.195	0.223	0.230	0.231	0.246	0.238	0.222	9.67
54)	Dibenzofuran	2.450	2.054	1.983	1.910	1.769	1.816	1.599	1.940	13.91
55) P	4-Nitrophenol	0.316	0.266	0.278	0.281	0.282	0.295	0.279	0.285	5.56
56)	2,4-Dinitrotol...	0.470	0.479	0.522	0.504	0.499	0.530	0.491	0.499	4.30
57)	Fluorene	1.878	1.604	1.596	1.541	1.441	1.455	1.322	1.548	11.37
58)	2,3,4,6-Tetrac...	0.562	0.510	0.539	0.523	0.503	0.541	0.499	0.525	4.39
59)	Diethylphthalate	2.078	1.774	1.802	1.663	1.577	1.596	1.448	1.706	11.95
60)	4-Chlorophenyl...	1.093	0.922	0.933	0.907	0.869	0.897	0.831	0.922	9.00
61)	4-Nitroaniline	0.406	0.310	0.349	0.350	0.339	0.349	0.334	0.348	8.42
62)	Azobenzene	2.250	1.912	1.944	1.853	1.720	1.714	1.538	1.847	12.21
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...	0.117	0.124	0.127	0.143	0.139	0.148	0.141	0.134	8.48
65) c	n-Nitrosodiphe...	0.642	0.610	0.578	0.595	0.558	0.577	0.514	0.582	6.90
66)	4-Bromophenyl-...	0.311	0.255	0.250	0.260	0.247	0.258	0.234	0.259	9.42
67)	Hexachlorobenzene	0.321	0.281	0.270	0.271	0.257	0.271	0.248	0.274	8.48
68)	Atrazine	0.252	0.254	0.249	0.249	0.239	0.251	0.227	0.246	3.84
69) C	Pentachlorophenol	0.202	0.179	0.187	0.190	0.187	0.197	0.181	0.189	4.45
70)	Phenanthrene	1.225	1.123	1.041	1.025	0.961	0.940	0.826	1.020	12.71
71)	Anthracene	1.293	1.164	1.072	1.056	0.971	0.953	0.840	1.050	14.16
72)	Carbazole	1.006	0.950	0.930	0.906	0.851	0.841	0.744	0.890	9.65
73)	Di-n-butylphth...	1.186	1.141	1.095	1.000	0.973	0.824	1.036		12.74
74) C	Fluoranthene	1.405	1.292	1.221	1.124	1.087	0.920	1.175		14.45
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.061	0.131	0.208	0.244	0.337	0.296	0.213		48.37
77)	Pyrene	1.200	1.182	1.134	1.047	0.980	0.849	1.065		12.66
78) S	Terphenyl-d14	0.861	0.807	0.714	0.637			0.755		13.16
79)	Butylbenzylphth...	0.482	0.458	0.476	0.482	0.458	0.458	0.414	0.461	5.16
80)	Benzo(a)anthra...	1.249	1.205	1.167	1.069	1.031	0.920	1.107		11.12
81)	3,3'-Dichlorob...	0.478	0.455	0.475	0.474	0.442	0.458	0.418	0.457	4.74
82)	Chrysene	1.172	1.124	1.096	1.015	0.971	0.862	1.040		10.92

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83)	Bis(2-ethylhex...	0.760	0.667	0.669	0.663	0.616	0.622	0.548	0.649	10.00
84) c	Di-n-octyl pht...	1.266	1.147	1.118	1.095	1.006	0.983	0.877	1.070	11.83
85)	Indeno(1,2,3-c...	1.600	1.378	1.358	1.380	1.310	1.320	1.221	1.367	8.52
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.425	1.243	1.223	1.215	1.131	1.129	1.053	1.203	9.89
88)	Benzo(k)fluora...	1.330	1.202	1.160	1.137	1.095	1.046	0.988	1.137	9.76
89) C	Benzo(a)pyrene	1.431	1.198	1.173	1.179	1.096	1.095	1.035	1.172	10.93
90)	Dibenzo(a,h)an...	1.315	1.167	1.088	1.081	1.041	1.041	0.992	1.104	9.75
91)	Benzo(g,h,i)pe...	1.392	1.154	1.101	1.100	1.045	1.059	1.014	1.123	11.29

(#) = Out of Range