

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG092220.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Sep 23 12:44:28 2020
 Response Via : Initial Calibration

Calibration Files

5 =BG046681.D 10 =BG046682.D 20 =BG046683.D 40 =BG046684.D 50 =BG046685.D 60 =BG046686.D 80 =BG046687.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.678	0.668	0.561	0.548	0.533	0.546	0.544	0.583	10.74
3) Pyridine	1.715	1.989	1.700	1.625	1.518	1.505	1.484	1.648	10.74
4) n-Nitrosodimet...	0.943	0.970	0.855	0.830	0.802	0.816	0.820	0.862	7.77
5) S 2-Fluorophenol	1.410	1.381	1.218	1.203	1.167	1.173	1.188	1.248	8.19
6) Aniline	2.306	2.431	2.115	2.059	1.962	2.018	2.006	2.128	8.20
7) S Phenol-d6	1.860	2.059	1.734	1.691	1.645	1.665	1.672	1.761	8.51
8) 2-Chlorophenol	1.421	1.398	1.238	1.187	1.144	1.162	1.159	1.244	9.42
9) Benzaldehyde	1.439	1.391	1.194	1.035	0.959	0.948	0.855	1.117	20.45
10) C Phenol	1.989	2.038	1.723	1.660	1.617	1.621	1.623	1.753	10.39
11) bis(2-Chloroet...	1.533	1.540	1.339	1.270	1.259	1.264	1.278	1.355	9.39
12) 1,3-Dichlorobe...	1.750	1.838	1.603	1.553	1.480	1.519	1.503	1.606	8.49
13) C 1,4-Dichlorobe...	1.792	1.778	1.568	1.531	1.478	1.488	1.510	1.592	8.49
14) 1,2-Dichlorobe...	1.607	1.650	1.463	1.446	1.407	1.413	1.409	1.485	6.81
15) Benzyl Alcohol	1.618	1.618	1.420	1.389	1.332	1.382	1.376	1.448	8.22
16) 2,2'-oxybis(1-...	2.731	2.729	2.367	2.264	2.146	2.187	2.217	2.377	10.55
17) 2-Methylphenol	1.289	1.237	1.104	1.062	1.041	1.073	1.072	1.126	8.60
18) Hexachloroethane	0.701	0.696	0.577	0.565	0.543	0.560	0.563	0.601	11.21
19) P n-Nitroso-di-n...	1.307	1.382	1.212	1.161	1.107	1.148	1.137	1.208	8.36
20) 3+4-Methylphenols	1.667	1.686	1.492	1.477	1.483	1.458	1.476	1.534	6.39
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.590	0.657	0.583	0.548	0.563	0.561	0.565	0.581	6.23
23) S Nitrobenzene-d5	0.346	0.376	0.356	0.365	0.384	0.396	0.408	0.376	5.91
24) Nitrobenzene	0.389	0.423	0.394	0.394	0.414	0.425	0.434	0.410	4.35
25) Isophorone	0.875	0.907	0.818	0.778	0.790	0.782	0.794	0.821	6.18
26) C 2-Nitrophenol	0.127	0.136	0.139	0.146	0.154	0.165	0.172	0.148	10.90
27) 2,4-Dimethylph...	0.328	0.330	0.295	0.274	0.288	0.282	0.280	0.297	7.77
28) bis(2-Chloroet...	0.541	0.565	0.506	0.473	0.485	0.490	0.483	0.506	6.79
29) C 2,4-Dichloroph...	0.347	0.393	0.346	0.343	0.354	0.355	0.358	0.357	4.79
30) 1,2,4-Trichlor...	0.439	0.480	0.412	0.407	0.413	0.413	0.417	0.426	6.14
31) Naphthalene	1.137	1.205	1.076	1.023	1.049	1.049	1.055	1.085	5.89
32) Benzoic acid	0.160	0.150	0.182	0.205	0.213	0.225	0.189	0.189	15.99
33) 4-Chloroaniline	0.504	0.549	0.471	0.448	0.462	0.464	0.466	0.481	7.18
34) C Hexachlorobuta...	0.310	0.340	0.312	0.298	0.309	0.305	0.311	0.312	4.25
35) Caprolactam	0.137	0.129	0.117	0.114	0.114	0.117	0.118	0.121	7.15
36) C 4-Chloro-3-met...	0.411	0.425	0.371	0.359	0.370	0.371	0.379	0.383	6.36
37) 2-Methylnaphth...	0.869	0.889	0.800	0.751	0.775	0.765	0.780	0.804	6.68
38) 1-Methylnaphth...	0.750	0.842	0.739	0.708	0.731	0.721	0.735	0.747	5.89

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.763	0.764	0.719	0.692	0.697	0.693	0.704	0.719	4.41
41) P	Hexachlorocycl...	0.402	0.432	0.405	0.409	0.419	0.420	0.442	0.418	3.49
42) S	2,4,6-Tribromo...	0.239	0.262	0.260	0.258	0.271	0.274	0.282	0.264	5.23
43) C	2,4,6-Trichlor...	0.427	0.461	0.455	0.448	0.455	0.456	0.463	0.452	2.69
44)	2,4,5-Trichlor...	0.436	0.480	0.446	0.435	0.456	0.462	0.471	0.455	3.75
45) S	2-Fluorobiphenyl	1.503	1.594	1.437	1.347	1.353	1.329	1.326	1.413	7.31
46)	1,1'-Biphenyl	1.624	1.670	1.553	1.491	1.474	1.464	1.489	1.538	5.25
47)	2-Chloronaphth...	1.336	1.363	1.263	1.181	1.203	1.178	1.221	1.249	5.96
48)	2-Nitroaniline	0.273	0.282	0.300	0.332	0.359	0.372	0.404	0.332	14.84
49)	Acenaphthylene	1.994	2.020	1.856	1.732	1.764	1.745	1.761	1.839	6.63
50)	Dimethylphthalate	1.701	1.749	1.627	1.530	1.543	1.510	1.523	1.598	6.00
51)	2,6-Dinitrotol...	0.220	0.231	0.239	0.259	0.278	0.289	0.301	0.260	11.97
52) C	Acenaphthene	1.321	1.329	1.254	1.180	1.214	1.207	1.237	1.249	4.58
53)	3-Nitroaniline	0.257	0.273	0.276	0.290	0.312	0.314	0.333	0.293	9.19
54) P	2,4-Dinitrophenol	0.126	0.130	0.134	0.131	0.146	0.156	0.171	0.142	11.68
55)	Dibenzofuran	2.015	2.101	1.914	1.785	1.813	1.773	1.798	1.885	6.83
56) P	4-Nitrophenol	0.203	0.233	0.225	0.237	0.257	0.263	0.275	0.242	10.27
57)	2,4-Dinitrotol...	0.292	0.287	0.312	0.345	0.371	0.385	0.413	0.344	14.13
58)	Fluorene	1.613	1.638	1.540	1.437	1.459	1.426	1.457	1.510	5.77
59)	2,3,4,6-Tetrac...	0.433	0.467	0.459	0.436	0.459	0.451	0.478	0.455	3.56
60)	Diethylphthalate	1.735	1.786	1.609	1.523	1.541	1.525	1.524	1.606	6.90
61)	4-Chlorophenyl...	0.866	0.952	0.867	0.826	0.835	0.830	0.857	0.862	5.04
62)	4-Nitroaniline	0.291	0.309	0.326	0.316	0.337	0.344	0.358	0.326	6.94
63)	Azobenzene	1.738	1.759	1.599	1.494	1.495	1.480	1.486	1.579	7.80
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.073	0.073	0.074	0.086	0.091	0.102	0.083		14.28
66) c	n-Nitrosodiphe...	0.637	0.669	0.603	0.565	0.576	0.571	0.585	0.601	6.43
67)	4-Bromophenyl-...	0.259	0.283	0.251	0.240	0.242	0.245	0.250	0.253	5.90
68)	Hexachlorobenzene	0.298	0.298	0.271	0.254	0.256	0.257	0.268	0.272	7.03
69)	Atrazine	0.255	0.273	0.249	0.218	0.234	0.228	0.233	0.241	7.73
70) C	Pentachlorophenol	0.136	0.158	0.150	0.153	0.163	0.166	0.173	0.157	7.61
71)	Phenanthrene	1.182	1.212	1.093	1.013	1.040	1.026	1.035	1.086	7.41
72)	Anthracene	1.162	1.215	1.082	0.994	1.022	1.002	1.024	1.071	8.05
73)	Carbazole	1.082	1.095	0.994	0.901	0.923	0.909	0.921	0.975	8.54
74)	Di-n-butylphth...	1.313	1.364	1.234	1.114	1.133	1.109	1.123	1.198	8.81
75) C	Fluoranthene	1.566	1.582	1.417	1.274	1.288	1.276	1.277	1.383	10.12
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.740	0.706	0.556	0.596	0.582	0.578	0.556	0.617	12.17
78)	Pyrene	1.345	1.422	1.292	1.211	1.254	1.234	1.241	1.286	5.82
79) S	Terphenyl-d14	1.094	1.172	1.009	0.939	0.948	0.923	0.899	0.998	10.08
80)	Butylbenzylpht...	0.464	0.540	0.497	0.477	0.499	0.496	0.505	0.497	4.80
81)	Benzo(a)anthra...	1.416	1.499	1.352	1.247	1.284	1.271	1.277	1.335	6.95
82)	3,3'-Dichlorob...	0.533	0.572	0.517	0.489	0.504	0.502	0.511	0.518	5.23
83)	Chrysene	1.408	1.426	1.264	1.188	1.232	1.199	1.214	1.276	7.79
84)	Bis(2-ethylhex...	0.761	0.800	0.722	0.690	0.706	0.704	0.725	0.730	5.26
85) c	Di-n-octyl pht...	1.250	1.367	1.247	1.207	1.240	1.227	1.247	1.255	4.11

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.537	1.623	1.492	1.380	1.422	1.429	1.474	1.480	5.50	
88)	Benzo(b)fluora...	1.397	1.435	1.328	1.231	1.252	1.260	1.272	1.311	6.00	
89)	Benzo(k)fluora...	1.355	1.419	1.263	1.162	1.211	1.189	1.222	1.260	7.45	
90) C	Benzo(a)pyrene	1.315	1.343	1.237	1.156	1.192	1.184	1.207	1.233	5.68	
91)	Dibenzo(a,h)an...	1.267	1.341	1.207	1.139	1.168	1.163	1.188	1.210	5.84	
92)	Benzo(g,h,i)pe...	1.248	1.294	1.181	1.116	1.142	1.139	1.166	1.184	5.43	

(#) = Out of Range