

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG071222.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Jul 12 15:49:20 2022
 Response Via : Initial Calibration

Calibration Files

5 =BG054250.D 10 =BG054251.D 20 =BG054252.D 40 =BG054253.D 50 =BG054254.D 60 =BG054255.D 80 =BG054256.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.534	0.487	0.432	0.407	0.379	0.374		0.435	14.56
3) Pyridine	1.038	1.051	1.100	1.192	1.099	1.114	1.016	1.087	5.42
4) n-Nitrosodimet...	0.493	0.508	0.550	0.587	0.561	0.593	0.552	0.549	6.81
5) S 2-Fluorophenol	1.034	1.013	1.012	1.056	0.970	0.999	0.884	0.995	5.62
6) Aniline	1.651	1.635	1.676	1.688	1.591	1.625	1.431	1.614	5.37
7) S Phenol-d6	1.391	1.332	1.426	1.460	1.369	1.388	1.246	1.373	5.04
8) 2-Chlorophenol	1.141	1.114	1.158	1.180	1.093	1.119	1.004	1.116	5.12
9) Benzaldehyde	0.940	0.896	0.882	0.734	0.671			0.824	14.01
10) C Phenol	1.411	1.387	1.416	1.480	1.364	1.392	1.248	1.385	5.11
11) bis(2-Chloroet...	1.057	0.988	1.064	1.102	0.984	1.013	0.942	1.022	5.43
12) 1,3-Dichlorobe...	1.427	1.347	1.360	1.436	1.323	1.366	1.224	1.355	5.22
13) C 1,4-Dichlorobe...	1.487	1.407	1.408	1.451	1.336	1.389	1.241	1.388	5.79
14) 1,2-Dichlorobe...	1.453	1.385	1.357	1.378	1.276	1.312	1.170	1.333	6.85
15) Benzyl Alcohol	1.031	1.001	1.186	1.197	1.116	1.157	1.059	1.107	7.03
16) 2,2'-oxybis(1-...	1.567	1.519	1.465	1.448	1.335	1.360	1.236	1.419	8.09
17) 2-Methylphenol	1.030	0.990	1.002	1.047	0.961	0.994	0.904	0.990	4.75
18) Hexachloroethane	0.493	0.481	0.476	0.505	0.450	0.470	0.430	0.472	5.35
19) P n-Nitroso-di-n...	0.968	0.897	1.001	0.973	0.915	0.962	0.845	0.937	5.78
20) 3+4-Methylphenols	1.393	1.371	1.461	1.460	1.357	1.409	1.271	1.389	4.73
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.494	0.477	0.488	0.499	0.483	0.491	0.453	0.483	3.12
23) S Nitrobenzene-d5	0.373	0.358	0.365	0.380	0.376	0.378	0.351	0.369	2.98
24) Nitrobenzene	0.365	0.346	0.364	0.376	0.364	0.377	0.344	0.362	3.54
25) Isophorone	0.663	0.650	0.680	0.685	0.667	0.698	0.623	0.667	3.71
26) C 2-Nitrophenol	0.161	0.163	0.183	0.187	0.185	0.191	0.179	0.179	6.69
27) 2,4-Dimethylph...	0.252	0.228	0.253	0.257	0.253	0.266	0.239	0.250	4.97
28) bis(2-Chloroet...	0.363	0.322	0.344	0.347	0.336	0.346	0.317	0.339	4.63
29) C 2,4-Dichloroph...	0.332	0.327	0.369	0.375	0.378	0.391	0.360	0.362	6.65
30) 1,2,4-Trichlor...	0.447	0.427	0.436	0.462	0.451	0.470	0.433	0.446	3.49
31) Naphthalene	1.055	0.990	0.992	1.031	1.004	1.032	0.937	1.006	3.85
32) Benzoic acid		0.034	0.089	0.108	0.114	0.126	0.138	0.102	36.20
33) 4-Chloroaniline	0.411	0.395	0.423	0.428	0.427	0.446	0.398	0.418	4.31
34) C Hexachlorobuta...	0.362	0.347	0.361	0.387	0.377	0.390	0.369	0.370	4.18
35) Caprolactam	0.091	0.095	0.112	0.105	0.104	0.115	0.100	0.103	8.38
36) C 4-Chloro-3-met...	0.339	0.331	0.352	0.356	0.349	0.378	0.332	0.348	4.69
37) 2-Methylnaphth...	0.796	0.735	0.781	0.795	0.776	0.797	0.716	0.771	4.21
38) 1-Methylnaphth...	0.756	0.727	0.765	0.769	0.752	0.774	0.695	0.748	3.75

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.819	0.781	0.799	0.851	0.816	0.829	0.786	0.812	3.05
41) P	Hexachlorocycl...	0.059	0.157	0.210	0.234	0.252	0.306	0.203		42.17
42) S	2,4,6-Tribromo...	0.364	0.368	0.391	0.400	0.391	0.416	0.383	0.387	4.68
43) C	2,4,6-Trichlor...	0.450	0.419	0.459	0.489	0.478	0.497	0.473	0.466	5.68
44)	2,4,5-Trichlor...	0.467	0.474	0.521	0.531	0.528	0.536	0.512	0.510	5.51
45) S	2-Fluorobiphenyl	1.449	1.356	1.375	1.414	1.333	1.369	1.232	1.361	5.05
46)	1,1'-Biphenyl	1.421	1.303	1.349	1.401	1.324	1.355	1.261	1.345	4.11
47)	2-Chloronaphth...	1.189	1.099	1.122	1.157	1.101	1.147	1.055	1.124	3.95
48)	2-Nitroaniline	0.321	0.292	0.327	0.330	0.315	0.334	0.308	0.318	4.54
49)	Acenaphthylene	1.794	1.657	1.721	1.763	1.675	1.748	1.582	1.706	4.26
50)	Dimethylphthalate	1.685	1.557	1.592	1.591	1.532	1.608	1.428	1.570	5.02
51)	2,6-Dinitrotol...	0.336	0.316	0.350	0.357	0.339	0.365	0.326	0.341	5.08
52) C	Acenaphthene	1.094	1.011	1.028	1.059	1.015	1.053	0.961	1.032	4.10
53)	3-Nitroaniline	0.300	0.285	0.313	0.313	0.303	0.315	0.289	0.303	4.02
54) P	2,4-Dinitrophenol	0.088	0.156	0.164	0.174	0.190	0.188	0.160		23.63
55)	Dibenzofuran	1.914	1.789	1.845	1.874	1.759	1.855	1.649	1.812	4.88
56) P	4-Nitrophenol	0.153	0.166	0.205	0.203	0.204	0.222	0.207	0.194	12.82
57)	2,4-Dinitrotol...	0.472	0.473	0.512	0.508	0.494	0.529	0.472	0.494	4.65
58)	Fluorene	1.618	1.526	1.532	1.534	1.452	1.523	1.352	1.505	5.51
59)	2,3,4,6-Tetrac...	0.461	0.466	0.530	0.532	0.510	0.567	0.510	0.511	7.37
60)	Diethylphthalate	1.618	1.557	1.571	1.546	1.478	1.562	1.388	1.532	4.92
61)	4-Chlorophenyl...	1.004	0.935	0.955	0.982	0.938	0.989	0.891	0.956	4.08
62)	4-Nitroaniline	0.308	0.321	0.322	0.321	0.313	0.328	0.297	0.316	3.31
63)	Azobenzene	1.227	1.172	1.174	1.169	1.117	1.171	1.050	1.154	4.86
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.094	0.101	0.117	0.125	0.127	0.133	0.126	0.118	12.36
66) c	n-Nitrosodiphe...	0.531	0.489	0.501	0.523	0.499	0.516	0.472	0.504	4.05
67)	4-Bromophenyl-...	0.268	0.249	0.261	0.279	0.271	0.279	0.261	0.267	3.99
68)	Hexachlorobenzene	0.305	0.287	0.300	0.317	0.309	0.319	0.295	0.304	3.76
69)	Atrazine	0.245	0.232	0.226	0.231	0.214	0.220	0.193	0.223	7.38
70) C	Pentachlorophenol	0.086	0.114	0.128	0.130	0.138	0.138	0.138	0.122	16.27
71)	Phenanthrene	1.066	0.989	0.995	1.041	0.991	1.022	0.899	1.000	5.30
72)	Anthracene	1.038	0.973	0.970	1.017	0.976	0.997	0.887	0.980	4.90
73)	Carbazole	0.891	0.827	0.831	0.857	0.816	0.839	0.747	0.830	5.28
74)	Di-n-butylphth...	1.046	0.995	0.989	1.000	0.976	0.995	0.876	0.982	5.26
75) C	Fluoranthene	1.463	1.402	1.376	1.402	1.340	1.356	1.185	1.361	6.39
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.417	0.347	0.376	0.294	0.321		0.351		13.59
78)	Pyrene	1.215	1.114	1.177	1.204	1.140	1.185	1.022	1.151	5.82
79) S	Terphenyl-d14	1.073	0.992	1.002	1.010	0.951	0.977	0.802	0.973	8.62
80)	Butylbenzylpht...	0.368	0.353	0.379	0.385	0.373	0.392	0.361	0.373	3.66
81)	Benzo(a)anthra...	1.333	1.249	1.273	1.303	1.242	1.292	1.164	1.265	4.31
82)	3,3'-Dichlorob...	0.393	0.379	0.398	0.407	0.380	0.408	0.341	0.387	5.95
83)	Chrysene	1.270	1.183	1.197	1.235	1.177	1.216	1.098	1.197	4.53
84)	Bis(2-ethylhex...	0.534	0.506	0.530	0.545	0.528	0.550	0.512	0.529	3.04
85) c	Di-n-octyl pht...	0.908	0.860	0.919	0.950	0.906	0.957	0.877	0.911	3.88

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.571	1.444	1.484	1.564	1.478	1.564	1.427	1.505		4.05
88)	Benzo(b)fluora...	1.258	1.139	1.180	1.227	1.178	1.224	1.095	1.186		4.72
89)	Benzo(k)fluora...	1.234	1.183	1.170	1.226	1.140	1.226	1.056	1.177		5.37
90) C	Benzo(a)pyrene	1.054	0.982	1.013	1.052	1.000	1.055	0.947	1.015		4.10
91)	Dibenzo(a,h)an...	1.268	1.199	1.228	1.283	1.219	1.287	1.145	1.233		4.15
92)	Benzo(g,h,i)pe...	1.279	1.168	1.219	1.275	1.218	1.280	1.167	1.229		4.06

(#) = Out of Range