

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG031621.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Mar 16 16:05:10 2021
 Response Via : Initial Calibration

Calibration Files

5 =BG048385.D 10 =BG048386.D 20 =BG048387.D 40 =BG048388.D 50 =BG048389.D 60 =BG048390.D 80 =BG048391.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.555	0.690	0.615	0.537	0.513	0.505	0.483	0.557	13.00
3) Pyridine	1.296	1.847	1.690	1.549	1.475	1.432	1.350	1.520	12.75
4) n-Nitrosodimet...	0.852	1.017	0.958	0.862	0.839	0.819	0.796	0.878	9.11
5) S 2-Fluorophenol	1.025	1.333	1.342	1.158	1.148	1.099	1.045	1.164	10.98
6) Aniline	1.900	2.698	2.357	2.042	2.000	1.922	1.847	2.109	14.64
7) S Phenol-d6	1.479	2.043	1.939	1.717	1.668	1.623	1.539	1.715	12.02
8) 2-Chlorophenol	1.017	1.313	1.372	1.193	1.151	1.113	1.068	1.175	10.92
9) Benzaldehyde	1.300	1.522	1.317	1.024	0.953	0.884	0.746	1.107	25.14
10) C Phenol	1.510	2.074	2.025	1.768	1.691	1.635	1.552	1.751	12.65
11) bis(2-Chloroet...	1.131	1.534	1.416	1.259	1.217	1.189	1.104	1.264	12.38
12) 1,3-Dichlorobe...	1.560	1.840	1.657	1.407	1.385	1.353	1.291	1.499	13.09
13) C 1,4-Dichlorobe...	1.467	1.826	1.691	1.417	1.415	1.372	1.303	1.499	12.57
14) 1,2-Dichlorobe...	1.427	1.856	1.554	1.351	1.322	1.288		1.466	14.53
15) Benzyl Alcohol	1.153	1.745	1.671	1.574	1.530	1.448	1.402	1.503	12.97
16) 2,2'-oxybis(1-...	1.508	1.894	1.717	1.524	1.448	1.412	1.312	1.545	12.79
17) 2-Methylphenol	0.998	1.359	1.287	1.104	1.056	1.034	0.999	1.120	12.96
18) Hexachloroethane	0.563	0.618	0.599	0.522	0.534	0.513	0.489	0.548	8.62
19) P n-Nitroso-di-n...	1.183	1.629	1.478	1.312	1.258	1.231	1.163	1.322	12.94
20) 3+4-Methylphenols	1.272	1.634	1.703	1.537	1.461	1.445	1.409	1.494	9.66
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.529	0.662	0.609	0.552	0.555	0.541	0.510	0.565	9.26
23) S Nitrobenzene-d5		0.396	0.481	0.451	0.459	0.464	0.450	0.450	6.37
24) Nitrobenzene	0.308	0.432	0.522	0.498	0.501	0.498	0.484	0.463	15.97
25) Isophorone	0.895	1.116	1.051	0.953	0.935	0.928	0.884	0.966	8.87
26) C 2-Nitrophenol	0.112	0.152	0.159	0.151	0.161	0.165	0.170	0.153	12.46
27) 2,4-Dimethylph...	0.275	0.333	0.333	0.302	0.305	0.299	0.295	0.306	6.83
28) bis(2-Chloroet...	0.396	0.495	0.474	0.440	0.422	0.409	0.400	0.434	8.77
29) C 2,4-Dichloroph...	0.244	0.330	0.362	0.347	0.349	0.341	0.339	0.330	11.87
30) 1,2,4-Trichlor...	0.412	0.492	0.456	0.427	0.424	0.407	0.399	0.431	7.53
31) Naphthalene	1.049	1.274	1.170	1.067	1.067	1.029	0.983	1.091	9.02
32) Benzoic acid	0.135	0.182	0.189	0.201	0.212	0.215	0.216	0.193	14.81
33) 4-Chloroaniline	0.391	0.520	0.511	0.457	0.451	0.447	0.434	0.459	9.67
34) C Hexachlorobuta...	0.321	0.386	0.350	0.335	0.333	0.325	0.309	0.337	7.42
35) Caprolactam	0.085	0.112	0.129	0.115	0.119	0.115	0.114	0.113	12.01
36) C 4-Chloro-3-met...	0.307	0.419	0.445	0.405	0.401	0.399	0.392	0.395	10.77
37) 2-Methylnaphth...	0.796	0.986	0.907	0.828	0.796	0.781	0.763	0.837	9.63
38) 1-Methylnaphth...	0.773	0.930	0.849	0.772	0.748	0.738	0.712	0.789	9.58

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.742	0.832	0.779	0.741	0.709	0.712	0.663	0.740	7.33
41) P	Hexachlorocycl...	0.339	0.405	0.413	0.412	0.420	0.431	0.414	0.405	7.42
42) S	2,4,6-Tribromo...	0.178	0.256	0.280	0.272	0.272	0.266	0.267	0.256	13.76
43) C	2,4,6-Trichlor...	0.307	0.400	0.450	0.468	0.477	0.470	0.463	0.434	14.18
44)	2,4,5-Trichlor...	0.362	0.434	0.505	0.508	0.490	0.501	0.494	0.470	11.54
45) S	2-Fluorobiphenyl	1.455	1.661	1.494	1.409	1.353	1.331	1.232	1.419	9.67
46)	1,1'-Biphenyl	1.444	1.658	1.550	1.442	1.395	1.371	1.303	1.452	8.16
47)	2-Chloronaphth...	1.186	1.340	1.248	1.170	1.134	1.110	1.046	1.176	8.16
48)	2-Nitroaniline	0.203	0.270	0.322	0.363	0.384	0.398	0.392	0.333	21.93
49)	Acenaphthylene	1.863	2.190	2.003	1.858	1.800	1.764	1.663	1.877	9.21
50)	Dimethylphthalate	1.283	1.701	1.707	1.597	1.541	1.507	1.421	1.537	9.88
51)	2,6-Dinitrotol...	0.207	0.284	0.297	0.310	0.315	0.321	0.314	0.293	13.58
52) C	Acenaphthene	1.211	1.379	1.309	1.218	1.201	1.185	1.140	1.235	6.60
53)	3-Nitroaniline	0.232	0.290	0.324	0.320	0.303	0.314	0.304	0.298	10.52
54) P	2,4-Dinitrophenol	0.162	0.176	0.179	0.177	0.163	0.177	0.178	0.173	4.29
55)	Dibenzofuran	1.899	2.229	2.021	1.897	1.788	1.766	1.653	1.893	9.98
56) P	4-Nitrophenol	0.185	0.259	0.282	0.264	0.257	0.268	0.261	0.254	12.37
57)	2,4-Dinitrotol...	0.281	0.360	0.409	0.427	0.442	0.445	0.440	0.400	15.10
58)	Fluorene	1.586	1.862	1.684	1.573	1.511	1.472	1.397	1.584	9.67
59)	2,3,4,6-Tetrac...	0.337	0.436	0.486	0.489	0.481	0.481	0.470	0.454	12.08
60)	Diethylphthalate	1.173	1.644	1.685	1.560	1.493	1.479	1.387	1.489	11.57
61)	4-Chlorophenyl...	0.860	1.069	0.968	0.911	0.869	0.865	0.827	0.910	9.18
62)	4-Nitroaniline	0.256	0.332	0.352	0.343	0.337	0.334	0.315	0.324	9.95
63)	Azobenzene	1.788	2.198	1.960	1.799	1.720	1.667	1.567	1.814	11.51
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.072	0.110	0.095	0.095	0.098	0.104	0.107	0.097	12.98
66) c	n-Nitrosodiphe...	0.558	0.690	0.617	0.571	0.547	0.553	0.530	0.581	9.51
67)	4-Bromophenyl-...	0.224	0.293	0.265	0.236	0.228	0.219	0.218	0.240	11.72
68)	Hexachlorobenzene	0.254	0.311	0.276	0.252	0.253	0.246	0.243	0.262	9.23
69)	Atrazine	0.167	0.237	0.237	0.220	0.207	0.207	0.193	0.210	11.88
70) C	Pentachlorophenol	0.142	0.156	0.157	0.158	0.164	0.164	0.157		4.94
71)	Phenanthrene	1.026	1.290	1.144	1.028	0.997	0.970	0.922	1.054	11.82
72)	Anthracene	1.038	1.281	1.130	1.024	0.977	0.957	0.917	1.046	11.84
73)	Carbazole	0.911	1.185	1.065	0.953	0.912	0.905	0.846	0.968	12.06
74)	Di-n-butylphth...	0.755	1.078	1.125	1.032	1.012	0.997	0.932	0.990	12.12
75) C	Fluoranthene	1.421	1.736	1.530	1.358	1.294	1.266	1.179	1.398	13.39
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.508	0.597	0.572	0.548	0.510	0.470	0.422	0.518	11.63
78)	Pyrene	1.231	1.617	1.433	1.330	1.283	1.250	1.180	1.332	11.22
79) S	Terphenyl-d14	1.011	1.294	1.145	1.030	0.974	0.932	0.858	1.035	13.95
80)	Butylbenzylpht...	0.261	0.405	0.442	0.450	0.449	0.438	0.431	0.411	16.53
81)	Benzo(a)anthra...	1.373	1.667	1.499	1.364	1.312	1.277	1.210	1.386	11.06
82)	3,3'-Dichlorob...	0.387	0.540	0.511	0.483	0.470	0.453	0.433	0.468	10.80
83)	Chrysene	1.285	1.582	1.437	1.320	1.260	1.216	1.157	1.322	10.88
84)	Bis(2-ethylhex...	0.427	0.612	0.658	0.654	0.649	0.641	0.618	0.609	13.46
85) c	Di-n-octyl pht...	0.678	0.985	1.082	1.103	1.104	1.090	1.046	1.012	15.16

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.433	1.817	1.623	1.518	1.457	1.495	1.412	1.536	9.24	
88)	Benzo(b)fluora...	1.329	1.675	1.476	1.384	1.326	1.321	1.248	1.394	10.20	
89)	Benzo(k)fluora...	1.300	1.617	1.438	1.320	1.237	1.264	1.189	1.338	10.89	
90) C	Benzo(a)pyrene	1.190	1.542	1.404	1.265	1.218	1.222	1.156	1.285	10.76	
91)	Dibenzo(a,h)an...	1.246	1.571	1.385	1.287	1.232	1.263	1.186	1.310	9.95	
92)	Benzo(g,h,i)pe...	1.191	1.488	1.350	1.259	1.209	1.227	1.170	1.270	8.85	

(#) = Out of Range