

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG080321.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Aug 03 15:15:33 2021
 Response Via : Initial Calibration

Calibration Files

5 =BG049617.D 10 =BG049618.D 20 =BG049619.D 40 =BG049620.D 50 =BG049621.D 60 =BG049622.D 80 =BG049623.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.450	0.548	0.521	0.501	0.457	0.491	0.445	0.488	8.01
3) Pyridine	1.113	1.321	1.485	1.436	1.317	1.393	1.291	1.336	9.05
4) n-Nitrosodimet...	0.713	0.628	0.767	0.760	0.706	0.742	0.715	0.719	6.51
5) S 2-Fluorophenol	1.028	1.130	1.171	1.199	1.076	1.151	1.055	1.116	5.73
6) Aniline	1.675	1.886	1.871	1.918	1.735	1.770	1.674	1.790	5.69
7) S Phenol-d6	1.602	1.744	1.750	1.821	1.610	1.716	1.579	1.689	5.45
8) 2-Chlorophenol	1.210	1.281	1.277	1.261	1.138	1.225	1.123	1.216	5.29
9) Benzaldehyde	1.153	1.268	1.246	1.175	0.943	0.977		1.127	12.12
10) C Phenol	1.541	1.668	1.778	1.772	1.555	1.629	1.513	1.636	6.63
11) bis(2-Chloroet...	1.084	1.135	1.167	1.167	1.047	1.103	1.032	1.105	4.92
12) 1,3-Dichlorobe...	1.437	1.469	1.434	1.436	1.318	1.391	1.266	1.393	5.33
13) C 1,4-Dichlorobe...	1.323	1.592	1.494	1.476	1.291	1.409	1.286	1.410	8.28
14) 1,2-Dichlorobe...	1.292	1.441	1.404	1.431	1.246	1.313	1.225	1.336	6.68
15) Benzyl Alcohol	1.195	1.456	1.528	1.547	1.385	1.460	1.358	1.418	8.46
16) 2,2'-oxybis(1-...	1.237	1.309	1.357	1.341	1.165	1.232	1.148	1.255	6.60
17) 2-Methylphenol	0.929	1.136	1.126	1.175	1.039	1.114	1.025	1.078	7.85
18) Hexachloroethane	0.478	0.615	0.559	0.589	0.517	0.525	0.512	0.542	8.82
19) P n-Nitroso-di-n...	1.081	1.251	1.155	1.218	1.071	1.113	1.021	1.130	7.32
20) 3+4-Methylphenols	1.461	1.505	1.599	1.623	1.460	1.518	1.427	1.513	4.86
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.522	0.569	0.571	0.550	0.534	0.534	0.524	0.543	3.74
23) S Nitrobenzene-d5	0.444	0.473	0.461	0.465	0.443	0.444	0.434	0.452	3.16
24) Nitrobenzene	0.459	0.487	0.494	0.488	0.473	0.474	0.463	0.477	2.74
25) Isophorone	0.762	0.830	0.842	0.825	0.804	0.797	0.786	0.807	3.49
26) C 2-Nitrophenol	0.158	0.184	0.192	0.190	0.180	0.187	0.182	0.182	6.15
27) 2,4-Dimethylph...	0.256	0.297	0.272	0.277	0.268	0.249	0.264	0.269	5.82
28) bis(2-Chloroet...	0.348	0.352	0.373	0.360	0.346	0.350	0.341	0.353	3.00
29) C 2,4-Dichloroph...	0.293	0.346	0.342	0.337	0.334	0.333	0.326	0.330	5.28
30) 1,2,4-Trichlor...	0.345	0.389	0.367	0.364	0.361	0.361	0.358	0.363	3.64
31) Naphthalene	1.023	1.115	1.073	1.056	1.015	1.043	1.007	1.047	3.60
32) Benzoic acid		0.118	0.160	0.188	0.176	0.202	0.199	0.174	18.10
33) 4-Chloroaniline	0.364	0.442	0.417	0.428	0.410	0.421	0.412	0.414	5.86
34) C Hexachlorobuta...	0.265	0.274	0.266	0.264	0.257	0.262	0.261	0.264	2.01
35) Caprolactam	0.094	0.109	0.104	0.103	0.099	0.104	0.101	0.102	4.46
36) C 4-Chloro-3-met...	0.337	0.382	0.397	0.392	0.391	0.393	0.376	0.381	5.44
37) 2-Methylnaphth...	0.776	0.796	0.810	0.814	0.779	0.790	0.758	0.789	2.50
38) 1-Methylnaphth...	0.718	0.787	0.771	0.749	0.727	0.730	0.709	0.742	3.88

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.583	0.579	0.590	0.612	0.581	0.586	0.593	0.589	1.90
41) P	Hexachlorocycl...	0.135	0.205	0.261	0.308	0.307			0.243	30.20
42) S	2,4,6-Tribromo...	0.273	0.276	0.301	0.299	0.302	0.301	0.307	0.294	4.70
43) C	2,4,6-Trichlor...	0.343	0.393	0.405	0.421	0.394	0.408	0.418	0.397	6.58
44)	2,4,5-Trichlor...	0.391	0.416	0.449	0.457	0.422	0.441	0.441	0.431	5.30
45) S	2-Fluorobiphenyl	1.319	1.421	1.443	1.417	1.362	1.334	1.326	1.374	3.76
46)	1,1'-Biphenyl	1.437	1.429	1.454	1.464	1.379	1.399	1.408	1.424	2.15
47)	2-Chloronaphth...	1.125	1.143	1.172	1.184	1.102	1.117	1.121	1.138	2.66
48)	2-Nitroaniline	0.374	0.409	0.434	0.439	0.424	0.425	0.419	0.418	5.22
49)	Acenaphthylene	1.761	1.867	1.832	1.857	1.783	1.760	1.762	1.803	2.64
50)	Dimethylphthalate	1.522	1.560	1.539	1.529	1.488	1.475	1.451	1.509	2.57
51)	2,6-Dinitrotol...	0.302	0.346	0.345	0.354	0.328	0.327	0.323	0.332	5.28
52) C	Acenaphthene	1.063	1.088	1.124	1.122	1.077	1.059	1.070	1.086	2.47
53)	3-Nitroaniline	0.287	0.344	0.331	0.335	0.314	0.327	0.331	0.324	5.77
54) P	2,4-Dinitrophenol		0.143	0.186	0.196	0.189	0.204	0.214	0.189	13.00
55)	Dibenzofuran	1.729	1.843	1.789	1.833	1.734	1.709	1.700	1.762	3.36
56) P	4-Nitrophenol	0.182	0.227	0.241	0.258	0.246	0.253	0.250	0.237	11.11
57)	2,4-Dinitrotol...	0.448	0.450	0.484	0.473	0.472	0.469	0.472	0.467	2.81
58)	Fluorene	1.448	1.534	1.438	1.465	1.380	1.378	1.383	1.432	4.01
59)	2,3,4,6-Tetrac...	0.362	0.410	0.428	0.407	0.406	0.396	0.394	0.400	5.10
60)	Diethylphthalate	1.510	1.603	1.545	1.540	1.475	1.474	1.477	1.518	3.18
61)	4-Chlorophenyl...	0.738	0.825	0.767	0.780	0.737	0.750	0.755	0.764	4.00
62)	4-Nitroaniline	0.287	0.350	0.358	0.352	0.336	0.324	0.327	0.333	7.27
63)	Azobenzene	1.611	1.682	1.682	1.633	1.547	1.566	1.525	1.606	3.93
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.108	0.116	0.125	0.138	0.136	0.141	0.136	0.129	9.79
66) c	n-Nitrosodiphe...	0.537	0.576	0.583	0.598	0.557	0.554	0.551	0.565	3.74
67)	4-Bromophenyl-...	0.227	0.246	0.239	0.248	0.231	0.228	0.229	0.236	3.79
68)	Hexachlorobenzene	0.250	0.271	0.268	0.274	0.259	0.254	0.256	0.262	3.54
69)	Atrazine	0.235	0.242	0.230	0.238	0.215	0.218	0.205	0.226	5.96
70) C	Pentachlorophenol		0.110	0.127	0.149	0.154	0.151	0.151	0.140	12.56
71)	Phenanthrene	1.043	1.096	1.082	1.099	1.047	1.007	0.993	1.052	4.00
72)	Anthracene	1.037	1.063	1.065	1.074	1.014	1.014	0.967	1.033	3.69
73)	Carbazole	0.937	1.025	1.014	1.033	0.961	0.954	0.927	0.979	4.51
74)	Di-n-butylphth...	1.127	1.183	1.168	1.192	1.123	1.113	1.079	1.141	3.61
75) C	Fluoranthene	1.241	1.408	1.358	1.349	1.262	1.253	1.191	1.295	6.00
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.541	0.581	0.481	0.602	0.468	0.402		0.512	14.82
78)	Pyrene	1.327	1.411	1.431	1.411	1.324	1.352	1.288	1.363	3.99
79) S	Terphenyl-d14	1.077	1.155	1.154	1.136	1.072	1.080	1.034	1.101	4.27
80)	Butylbenzylpht...	0.472	0.518	0.530	0.541	0.521	0.529	0.524	0.519	4.22
81)	Benzo(a)anthra...	1.258	1.357	1.355	1.349	1.273	1.292	1.234	1.302	3.89
82)	3,3'-Dichlorob...	0.341	0.400	0.387	0.404	0.376	0.385	0.369	0.380	5.56
83)	Chrysene	1.278	1.289	1.273	1.258	1.214	1.222	1.182	1.245	3.17
84)	Bis(2-ethylhex...	0.666	0.727	0.758	0.763	0.739	0.752	0.741	0.735	4.46
85) c	Di-n-octyl pht...	1.110	1.291	1.271	1.289	1.261	1.262	1.209	1.242	5.16

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.401	1.497	1.481	1.465	1.432	1.421	1.400	1.442		2.70
88)	Benzo(b)fluora...	1.336	1.273	1.317	1.314	1.319	1.316	1.307	1.312		1.47
89)	Benzo(k)fluora...	1.224	1.235	1.267	1.256	1.191	1.217	1.174	1.224		2.72
90) C	Benzo(a)pyrene	1.172	1.204	1.216	1.202	1.169	1.188	1.158	1.187		1.79
91)	Dibenzo(a,h)an...	1.173	1.230	1.252	1.255	1.225	1.192	1.181	1.215		2.76
92)	Benzo(g,h,i)pe...	1.153	1.226	1.226	1.204	1.191	1.170	1.165	1.191		2.46

(#) = Out of Range