

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG082520.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Aug 26 15:05:53 2020
 ResponseVia : InitialCalibration

CalibrationFiles

5 =BG046445.D 10 =BG046446.D 20 =BG046447.D 40 =BG046448.D 50 BG046449.D 60 =BG046450.D 80 =BG046451.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.546	0.559	0.461	0.431	0.427	0.445	0.419	0.470	12.38
3)	Pyridine	1.519	1.456	1.365	1.311	1.308	1.371	1.292	1.375	6.15
4)	n-Nitrosodimet...	0.520	0.527	0.500	0.498	0.500	0.518	0.485	0.507	2.94
5) S	2-Fluorophenol	1.304	1.256	1.124	1.053	1.061	1.081	1.025	1.129	9.57
6)	Aniline	2.005	1.980	1.796	1.712	1.672	1.775	1.669	1.801	7.73
7) S	Phenol-d6	1.814	1.802	1.618	1.524	1.475	1.535	1.436	1.601	9.52
8)	2-Chlorophenol	1.409	1.354	1.179	1.104	1.101	1.134	1.073	1.193	11.20
9)	Benzaldehyde	1.168	1.079	0.946	0.841	0.797	0.779	0.667	0.897	19.77
10) C	Phenol	1.683	1.649	1.465	1.397	1.359	1.436	1.331	1.474	9.41
11)	bis(2-Chloroet...	1.395	1.311	1.173	1.109	1.104	1.129	1.073	1.185	10.22
12)	1,3-Dichlorobe...	1.787	1.707	1.516	1.405	1.392	1.437	1.363	1.515	11.02
13) C	1,4-Dichlorobe...	1.795	1.729	1.504	1.401	1.403	1.429	1.357	1.517	11.49
14)	1,2-Dichlorobe...	1.761	1.664	1.452	1.334	1.326	1.360	1.285	1.455	12.77
15)	Benzyl Alcohol	1.055	1.103	1.007	1.002	0.989	1.044	0.995	1.028	4.05
16)	2,2'-oxybis(1-...	2.099	2.038	1.832	1.733	1.712	1.761	1.693	1.838	8.94
17)	2-Methylphenol	1.191	1.150	1.031	0.991	0.963	1.023	0.970	1.046	8.59
18)	Hexachloroethane	0.605	0.576	0.503	0.476	0.478	0.492	0.470	0.514	10.46
19) P	n-Nitroso-di-n...	1.082	1.038	0.932	0.917	0.896	0.948	0.890	0.958	7.70
20)	3+4-Methylphenols	1.589	1.563	1.420	1.389	1.351	1.443	1.347	1.443	6.74
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.563	0.532	0.474	0.442	0.458	0.475	0.464	0.487	8.97
23) S	Nitrobenzene-d5	0.395	0.377	0.345	0.319	0.331	0.344	0.339	0.350	7.60
24)	Nitrobenzene	0.400	0.373	0.333	0.314	0.323	0.340	0.335	0.346	8.74
25)	Isophorone	0.691	0.689	0.628	0.598	0.606	0.649	0.631	0.642	5.76
26) C	2-Nitrophenol	0.181	0.191	0.177	0.172	0.177	0.190	0.188	0.182	4.00
27)	2,4-Dimethylph...	0.270	0.267	0.245	0.233	0.239	0.253	0.249	0.251	5.48
28)	bis(2-Chloroet...	0.452	0.444	0.406	0.386	0.394	0.406	0.404	0.413	6.06
29) C	2,4-Dichloroph...	0.369	0.347	0.328	0.312	0.318	0.337	0.330	0.334	5.72
30)	1,2,4-Trichlor...	0.455	0.435	0.394	0.357	0.370	0.385	0.381	0.397	8.93
31)	Naphthalene	1.139	1.083	0.960	0.889	0.903	0.942	0.920	0.977	9.84
32)	Benzoic acid	0.095	0.079	0.118	0.162	0.185	0.224	0.224	0.156	38.31
33)	4-Chloroaniline	0.452	0.452	0.426	0.403	0.414	0.441	0.426	0.431	4.39
34) C	Hexachlorobuta...	0.296	0.278	0.251	0.235	0.243	0.250	0.251	0.258	8.36
35)	Caprolactam	0.131	0.129	0.124	0.119	0.118	0.130	0.124	0.125	4.31
36) C	4-Chloro-3-met...	0.343	0.342	0.322	0.307	0.312	0.337	0.327	0.327	4.39
37)	2-Methylnaphth...	0.878	0.849	0.755	0.711	0.712	0.759	0.727	0.770	8.70
38)	1-Methylnaphth...	0.835	0.797	0.722	0.672	0.676	0.713	0.691	0.730	8.61

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39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.787	0.718	0.642	0.595	0.621	0.627	0.626	0.660	10.34	
41) P	Hexachlorocycl...	0.234	0.267	0.267	0.281	0.309	0.316	0.333	0.287	11.99	
42) S	2,4,6-Tribromo...	0.306	0.290	0.267	0.251	0.258	0.266	0.257	0.271	7.39	
43) C	2,4,6-Trichlor...	0.483	0.458	0.431	0.417	0.436	0.445	0.446	0.445	4.75	
44)	2,4,5-Trichlor...	0.509	0.499	0.449	0.435	0.451	0.468	0.461	0.468	5.84	
45) S	2-Fluorobiphenyl	1.644	1.521	1.321	1.167	1.199	1.181	1.139	1.310	15.11	
46)	1,1'-Biphenyl	1.634	1.549	1.355	1.263	1.317	1.324	1.298	1.391	10.18	
47)	2-Chloronaphth...	1.402	1.317	1.147	1.060	1.108	1.119	1.106	1.180	10.82	
48)	2-Nitroaniline	0.333	0.346	0.316	0.305	0.325	0.337	0.332	0.328	4.14	
49)	Acenaphthylene	2.074	2.010	1.783	1.630	1.686	1.702	1.642	1.790	10.07	
50)	Dimethylphthalate	1.847	1.737	1.533	1.409	1.447	1.459	1.398	1.547	11.36	
51)	2,6-Dinitrotol...	0.375	0.374	0.330	0.313	0.326	0.339	0.331	0.341	7.03	
52) C	Acenaphthene	1.299	1.220	1.084	1.006	1.046	1.068	1.040	1.109	9.75	
53)	3-Nitroaniline	0.383	0.389	0.365	0.347	0.359	0.376	0.367	0.369	3.96	
54) P	2,4-Dinitrophenol	0.150	0.178	0.202	0.210	0.227	0.227	0.199		15.10	
55)	Dibenzofuran	2.141	2.007	1.775	1.604	1.653	1.675	1.603	1.780	11.94	
56) P	4-Nitrophenol	0.246	0.267	0.267	0.263	0.279	0.295	0.286	0.272	6.00	
57)	2,4-Dinitrotol...	0.515	0.516	0.483	0.457	0.470	0.487	0.477	0.486	4.55	
58)	Fluorene	1.832	1.685	1.500	1.346	1.375	1.394	1.325	1.494	12.97	
59)	2,3,4,6-Tetrac...	0.484	0.488	0.442	0.423	0.441	0.458	0.443	0.454	5.31	
60)	Diethylphthalate	1.809	1.668	1.505	1.369	1.401	1.438	1.369	1.509	11.21	
61)	4-Chlorophenyl...	0.965	0.917	0.817	0.749	0.768	0.780	0.762	0.823	10.31	
62)	4-Nitroaniline	0.418	0.411	0.387	0.363	0.379	0.390	0.382	0.390	4.87	
63)	Azobenzene	1.460	1.349	1.220	1.107	1.145	1.170	1.139	1.227	10.60	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.097	0.107	0.109	0.113	0.118	0.124	0.125	0.113	8.86	
66) c	n-Nitrosodiphe...	0.623	0.597	0.526	0.496	0.509	0.519	0.507	0.540	9.16	
67)	4-Bromophenyl-...	0.261	0.251	0.223	0.218	0.222	0.230	0.230	0.233	6.93	
68)	Hexachlorobenzene	0.303	0.285	0.248	0.238	0.243	0.246	0.247	0.258	9.62	
69)	Atrazine	0.252	0.246	0.221	0.208	0.205	0.209	0.201	0.220	9.40	
70) C	Pentachlorophenol	0.108	0.124	0.133	0.137	0.143	0.151	0.150	0.135	11.27	
71)	Phenanthrene	1.239	1.165	1.011	0.918	0.937	0.933	0.894	1.014	13.32	
72)	Anthracene	1.233	1.143	1.001	0.909	0.916	0.918	0.880	1.000	13.61	
73)	Carbazole	1.144	1.076	0.950	0.864	0.875	0.870	0.832	0.944	12.72	
74)	Di-n-butylphth...	1.333	1.241	1.104	0.994	0.996	0.995	0.937	1.086	13.68	
75) C	Fluoranthene	1.670	1.555	1.345	1.167	1.171	1.153	1.070	1.305	17.50	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.427	0.428	0.419	0.496	0.451	0.522	0.512	0.465	9.42	
78)	Pyrene	1.497	1.462	1.289	1.180	1.184	1.180	1.124	1.274	11.73	
79) S	Terphenyl-d14	1.229	1.147	0.988	0.845	0.827	0.799	0.744	0.940	19.87	
80)	Butylbenzylpht...	0.542	0.527	0.490	0.474	0.477	0.491	0.477	0.497	5.44	
81)	Benzo(a)anthra...	1.504	1.416	1.250	1.139	1.147	1.160	1.111	1.247	12.36	
82)	3,3'-Dichlorob...	0.509	0.491	0.465	0.435	0.442	0.458	0.439	0.463	6.01	
83)	Chrysene	1.463	1.357	1.199	1.092	1.101	1.115	1.067	1.199	12.75	
84)	Bis(2-ethylhex...	0.789	0.741	0.678	0.635	0.639	0.649	0.616	0.678	9.40	
85) c	Di-n-octyl pht...	1.315	1.254	1.150	1.086	1.109	1.132	1.080	1.161	7.73	

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-----ISTD-----											
86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.639	1.550	1.413	1.280	1.357	1.408	1.407	1.436		8.38
88)	Benzo(b)fluora...	1.459	1.402	1.242	1.108	1.179	1.200	1.152	1.249		10.55
89)	Benzo(k)fluora...	1.476	1.336	1.200	1.070	1.110	1.128	1.129	1.207		12.19
90) C	Benzo(a)pyrene	1.371	1.276	1.148	1.040	1.098	1.124	1.101	1.165		9.97
91)	Dibenzo(a,h)an...	1.325	1.279	1.141	1.034	1.092	1.122	1.121	1.159		8.98
92)	Benzo(g,h,i)pe...	1.329	1.246	1.131	1.034	1.098	1.134	1.132	1.158		8.50

(#) = Out of Range