

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
 Method File : 8270-BG061322.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Jun 13 15:49:31 2022
 Response Via : Initial Calibration

Calibration Files

5 =BG053888.D 10 =BG053889.D 20 =BG053890.D 40 =BG053891.D 50 =BG053892.D 60 =BG053893.D 80 =BG053894.D

Compound		5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.460	0.455	0.498	0.463	0.457	0.461	0.407	0.457	5.82
3)	Pyridine	1.098	1.131	1.251	1.269	1.272	1.340	1.180	1.220	7.09
4)	n-Nitrosodimet...	0.461	0.507	0.548	0.567	0.554	0.587	0.534	0.537	7.83
5) S	2-Fluorophenol	1.062	0.998	1.088	1.066	1.058	1.082	0.969	1.046	4.30
6)	Aniline	1.703	1.647	1.714	1.723	1.704	1.746	1.541	1.682	4.13
7) S	Phenol-d6	1.426	1.369	1.475	1.442	1.436	1.471	1.314	1.419	4.08
8)	2-Chlorophenol	1.119	1.080	1.173	1.133	1.120	1.154	1.038	1.117	4.06
9)	Benzaldehyde	0.965	0.918	0.927	0.780	0.731	0.704		0.838	13.45
10) C	Phenol	1.418	1.389	1.474	1.492	1.450	1.511	1.333	1.438	4.36
11)	bis(2-Chloroet...	1.147	1.102	1.141	1.100	1.102	1.140	0.994	1.104	4.77
12)	1,3-Dichlorobe...	1.543	1.417	1.456	1.378	1.353	1.406	1.245	1.400	6.55
13) C	1,4-Dichlorobe...	1.506	1.419	1.451	1.371	1.383	1.446	1.266	1.406	5.44
14)	1,2-Dichlorobe...	1.484	1.362	1.397	1.351	1.307	1.366	1.181	1.350	6.83
15)	Benzyl Alcohol	1.022	1.020	1.063	1.103	1.082	1.120	1.015	1.061	4.04
16)	2,2'-oxybis(1-...	1.782	1.671	1.691	1.659	1.610	1.666	1.472	1.650	5.71
17)	2-Methylphenol	1.018	0.987	1.032	1.012	0.998	1.039	0.908	0.999	4.41
18)	Hexachloroethane	0.499	0.454	0.466	0.468	0.465	0.480	0.432	0.466	4.47
19) P	n-Nitroso-di-n...	0.969	0.930	1.006	0.972	0.957	0.970	0.870	0.953	4.52
20)	3+4-Methylphenols	1.355	1.377	1.456	1.424	1.423	1.467	1.306	1.401	4.12
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.498	0.477	0.475	0.491	0.488	0.505	0.469	0.486	2.74
23) S	Nitrobenzene-d5	0.349	0.339	0.347	0.363	0.359	0.379	0.355	0.356	3.61
24)	Nitrobenzene	0.330	0.343	0.348	0.357	0.352	0.374	0.349	0.350	3.81
25)	Isophorone	0.694	0.643	0.649	0.669	0.658	0.693	0.648	0.665	3.19
26) C	2-Nitrophenol	0.130	0.137	0.146	0.162	0.166	0.175	0.168	0.155	11.09
27)	2,4-Dimethylph...	0.255	0.241	0.243	0.255	0.253	0.264	0.242	0.251	3.44
28)	bis(2-Chloroet...	0.384	0.340	0.354	0.360	0.356	0.372	0.342	0.358	4.36
29) C	2,4-Dichloroph...	0.318	0.310	0.330	0.343	0.346	0.363	0.340	0.336	5.38
30)	1,2,4-Trichlor...	0.433	0.397	0.409	0.420	0.413	0.434	0.406	0.416	3.29
31)	Naphthalene	1.054	1.001	0.993	1.018	1.001	1.037	0.963	1.010	2.96
32)	Benzoic acid		0.020	0.059	0.092	0.103	0.120	0.125	0.087	46.44
33)	4-Chloroaniline	0.401	0.397	0.418	0.430	0.427	0.445	0.413	0.419	4.02
34) C	Hexachlorobuta...	0.317	0.314	0.315	0.327	0.317	0.336	0.313	0.320	2.63
35)	Caprolactam	0.080	0.078	0.088	0.098	0.101	0.104	0.097	0.092	11.27
36) C	4-Chloro-3-met...	0.316	0.312	0.318	0.339	0.334	0.347	0.320	0.327	4.06
37)	2-Methylnaphth...	0.784	0.727	0.738	0.755	0.741	0.770	0.715	0.747	3.24
38)	1-Methylnaphth...	0.777	0.709	0.723	0.729	0.717	0.752	0.685	0.727	4.11

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.792	0.759	0.771	0.781	0.753	0.795	0.743	0.771	2.60
41) P	Hexachlorocycl...	0.282	0.322	0.374	0.375	0.408	0.392	0.359		13.22
42) S	2,4,6-Tribromo...	0.290	0.297	0.315	0.330	0.333	0.357	0.327	0.321	7.08
43) C	2,4,6-Trichlor...	0.408	0.389	0.429	0.453	0.439	0.471	0.442	0.433	6.40
44)	2,4,5-Trichlor...	0.441	0.445	0.485	0.501	0.496	0.516	0.499	0.483	5.97
45) S	2-Fluorobiphenyl	1.455	1.401	1.404	1.386	1.333	1.385	1.264	1.375	4.42
46)	1,1'-Biphenyl	1.474	1.394	1.399	1.410	1.351	1.414	1.310	1.393	3.70
47)	2-Chloronaphth...	1.193	1.118	1.118	1.142	1.102	1.153	1.066	1.127	3.58
48)	2-Nitroaniline	0.266	0.270	0.290	0.316	0.311	0.334	0.312	0.300	8.50
49)	Acenaphthylene	1.845	1.699	1.753	1.785	1.724	1.808	1.658	1.753	3.71
50)	Dimethylphthalate	1.637	1.499	1.517	1.536	1.474	1.564	1.435	1.523	4.29
51)	2,6-Dinitrotol...	0.281	0.277	0.301	0.320	0.314	0.342	0.318	0.308	7.44
52) C	Acenaphthene	1.149	1.069	1.099	1.137	1.104	1.175	1.090	1.118	3.35
53)	3-Nitroaniline	0.259	0.278	0.298	0.315	0.311	0.325	0.301	0.298	7.60
54) P	2,4-Dinitrophenol	0.084	0.116	0.144	0.151	0.175	0.169	0.140		24.69
55)	Dibenzofuran	1.906	1.796	1.810	1.816	1.754	1.841	1.681	1.801	3.90
56) P	4-Nitrophenol	0.172	0.184	0.210	0.223	0.224	0.241	0.228	0.212	11.82
57)	2,4-Dinitrotol...	0.373	0.398	0.423	0.456	0.455	0.483	0.454	0.435	8.83
58)	Fluorene	1.565	1.500	1.491	1.488	1.424	1.511	1.370	1.478	4.28
59)	2,3,4,6-Tetrac...	0.416	0.446	0.464	0.490	0.496	0.511	0.486	0.473	6.94
60)	Diethylphthalate	1.580	1.442	1.482	1.478	1.436	1.529	1.377	1.475	4.48
61)	4-Chlorophenyl...	0.958	0.875	0.893	0.888	0.852	0.910	0.819	0.885	4.97
62)	4-Nitroaniline	0.295	0.300	0.309	0.320	0.311	0.336	0.306	0.311	4.32
63)	Azobenzene	1.253	1.183	1.178	1.183	1.159	1.230	1.125	1.187	3.61
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.079	0.085	0.103	0.107	0.115	0.110	0.100		14.51
66) c	n-Nitrosodiphe...	0.544	0.515	0.527	0.531	0.513	0.526	0.493	0.521	3.08
67)	4-Bromophenyl-...	0.252	0.246	0.248	0.254	0.249	0.257	0.243	0.250	1.84
68)	Hexachlorobenzene	0.304	0.285	0.280	0.287	0.280	0.293	0.271	0.286	3.69
69)	Atrazine	0.213	0.215	0.220	0.225	0.214	0.224	0.201	0.216	3.67
70) C	Pentachlorophenol	0.104	0.115	0.139	0.141	0.150	0.147	0.133		14.28
71)	Phenanthrene	1.102	1.029	1.032	1.038	1.008	1.035	0.948	1.028	4.45
72)	Anthracene	1.049	1.009	1.011	1.017	0.979	1.024	0.935	1.003	3.65
73)	Carbazole	0.898	0.864	0.868	0.869	0.850	0.880	0.800	0.861	3.55
74)	Di-n-butylphth...	0.995	0.969	1.000	1.020	0.995	1.041	0.951	0.996	3.00
75) C	Fluoranthene	1.435	1.355	1.354	1.360	1.328	1.379	1.231	1.349	4.56
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.497	0.416	0.394	0.431	0.386	0.419	0.356	0.414	10.68
78)	Pyrene	1.264	1.177	1.203	1.242	1.183	1.248	1.139	1.208	3.73
79) S	Terphenyl-d14	1.068	1.002	1.010	1.021	0.954	1.003	0.892	0.993	5.62
80)	Butylbenzylpht...	0.353	0.349	0.376	0.403	0.401	0.429	0.399	0.387	7.54
81)	Benzo(a)anthra...	1.356	1.272	1.303	1.310	1.268	1.334	1.222	1.295	3.46
82)	3,3'-Dichlorob...	0.377	0.369	0.392	0.403	0.388	0.413	0.367	0.387	4.44
83)	Chrysene	1.323	1.215	1.249	1.242	1.194	1.263	1.154	1.234	4.36
84)	Bis(2-ethylhex...	0.525	0.516	0.549	0.576	0.558	0.599	0.554	0.554	5.11
85) c	Di-n-octyl pht...	0.857	0.867	0.940	0.994	0.980	1.050	0.976	0.952	7.32

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.523	1.434	1.511	1.534	1.508	1.580	1.475	1.509	3.04	
88)	Benzo(b)fluora...	1.246	1.162	1.202	1.243	1.219	1.258	1.183	1.216	2.91	
89)	Benzo(k)fluora...	1.285	1.193	1.210	1.190	1.184	1.244	1.121	1.204	4.26	
90) C	Benzo(a)pyrene	1.028	0.981	1.024	1.043	1.031	1.077	0.997	1.026	3.04	
91)	Dibenzo(a,h)an...	1.268	1.190	1.278	1.256	1.244	1.293	1.207	1.248	3.02	
92)	Benzo(g,h,i)pe...	1.265	1.170	1.230	1.244	1.222	1.287	1.204	1.232	3.14	

(#) = Out of Range