

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
 Method File : 8270-BG041520.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Apr 20 11:57:28 2020
 Response Via : Initial Calibration

Calibration Files

10 =BG044979.D 20 =BG044980.D 40 =BG045090.D 50 =BG044982.D 60 =BG044983.D 80 =BG044984.D 100 =BG044985.D

Compound		10	20	40	50	60	80	100	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.641	0.545	0.539	0.553	0.502	0.513	0.476	0.538	9.76
3)	Pyridine	1.901	1.686	1.599	1.651	1.607	1.645	1.515	1.658	7.24
4)	n-Nitrosodimet...	0.604	0.517	0.487	0.494	0.479	0.515	0.460	0.508	9.19
5) S	2-Fluorophenol	1.490	1.273	1.179	1.205	1.148	1.150	1.035	1.211	11.76
6)	Aniline	2.762	2.422	2.326	2.239	2.312	2.278	2.043	2.340	9.36
7) S	Phenol-d6	2.148	1.873	1.787	1.728	1.775	1.730	1.559	1.800	10.03
8)	2-Chlorophenol	1.585	1.369	1.283	1.238	1.255	1.248	1.137	1.302	10.92
9)	Benzaldehyde	1.492	1.270	1.016	0.956	0.872	0.793		1.067	24.80
10) C	Phenol	2.126	1.855	1.791	1.713	1.779	1.751	1.593	1.801	9.14
11)	bis(2-Chloroet...	1.721	1.536	1.418	1.371	1.399	1.364	1.229	1.434	10.85
12)	1,3-Dichlorobe...	1.904	1.615	1.496	1.467	1.476	1.476	1.306	1.534	12.12
13) C	1,4-Dichlorobe...	1.891	1.572	1.504	1.466	1.490	1.460	1.317	1.529	11.60
14)	1,2-Dichlorobe...	1.764	1.565	1.464	1.396	1.412	1.376	1.262	1.463	11.04
15)	Benzyl Alcohol	1.748	1.579	1.497	1.438	1.508	1.469	1.324	1.509	8.68
16)	2,2'-oxybis(1-...	1.703	1.506	1.399	1.335	1.361	1.344	1.206	1.408	11.18
17)	2-Methylphenol	1.646	1.437	1.359	1.304	1.402	1.345	1.235	1.390	9.40
18)	Hexachloroethane	0.689	0.605	0.576	0.555	0.550	0.548	0.500	0.575	10.38
19) P	n-Nitroso-di-n...	1.483	1.348	1.266	1.207	1.278	1.219	1.109	1.273	9.28
20)	3+4-Methylphenols	2.222	2.029	1.947	1.863	1.971	1.874	1.710	1.945	8.16
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.654	0.546	0.519	0.535	0.536	0.517	0.479	0.541	10.05
23) S	Nitrobenzene-d5	0.527	0.437	0.417	0.433	0.440	0.423	0.391	0.438	9.66
24)	Nitrobenzene	0.518	0.452	0.432	0.446	0.449	0.436	0.413	0.449	7.34
25)	Isophorone	1.048	0.924	0.884	0.888	0.901	0.846	0.791	0.898	8.83
26) C	2-Nitrophenol	0.198	0.185	0.188	0.198	0.203	0.198	0.185	0.194	3.82
27)	2,4-Dimethylph...	0.350	0.308	0.296	0.304	0.315	0.295	0.282	0.307	6.96
28)	bis(2-Chloroet...	0.542	0.489	0.462	0.473	0.477	0.445	0.413	0.472	8.41
29) C	2,4-Dichloroph...	0.406	0.355	0.346	0.349	0.356	0.347	0.324	0.355	7.04
30)	1,2,4-Trichlor...	0.465	0.402	0.386	0.406	0.400	0.386	0.365	0.401	7.83
31)	Naphthalene	1.313	1.103	1.074	1.075	1.099	1.036	0.959	1.094	9.91
32)	Benzoic acid	0.168	0.184	0.220	0.235	0.272	0.267	0.266	0.230	18.19
33)	4-Chloroaniline	0.602	0.521	0.492	0.500	0.512	0.489	0.456	0.510	8.91
34) C	Hexachlorobuta...	0.324	0.270	0.265	0.272	0.282	0.265	0.248	0.275	8.63
35)	Caprolactam	0.174	0.135	0.138	0.139	0.140	0.132	0.129	0.141	10.67
36) C	4-Chloro-3-met...	0.484	0.423	0.400	0.409	0.428	0.397	0.375	0.417	8.25
37)	2-Methylnaphth...	1.028	0.867	0.831	0.828	0.852	0.800	0.738	0.849	10.53
38)	1-Methylnaphth...	0.960	0.823	0.784	0.789	0.804	0.753	0.699	0.802	10.05

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39)	I	Acenaphthene-d10	-----ISTD-----								
40)		1,2,4,5-Tetrac...	0.756	0.644	0.630	0.625	0.654	0.616	0.584	0.644	8.41
41)	P	Hexachlorocycl...	0.405	0.375	0.403	0.398	0.429	0.414	0.393	0.402	4.22
42)	S	2,4,6-Tribromo...	0.346	0.307	0.301	0.310	0.312	0.300	0.287	0.309	5.94
43)	C	2,4,6-Trichlor...	0.507	0.457	0.449	0.448	0.466	0.439	0.414	0.454	6.26
44)		2,4,5-Trichlor...	0.580	0.522	0.509	0.514	0.533	0.496	0.468	0.517	6.69
45)	S	2-Fluorobiphenyl	1.741	1.442	1.353	1.343	1.340	1.219	1.109	1.364	14.53
46)		1,1'-Biphenyl	1.831	1.556	1.501	1.492	1.518	1.419	1.324	1.520	10.33
47)		2-Chloronaphth...	1.408	1.183	1.131	1.127	1.165	1.095	1.022	1.162	10.38
48)		2-Nitroaniline	0.427	0.375	0.368	0.382	0.393	0.375	0.355	0.382	6.04
49)		Acenaphthylene	2.322	1.945	1.855	1.850	1.892	1.753	1.626	1.892	11.44
50)		Dimethylphthalate	2.060	1.706	1.599	1.584	1.600	1.467	1.384	1.628	13.32
51)		2,6-Dinitrotol...	0.411	0.361	0.354	0.362	0.369	0.357	0.336	0.364	6.34
52)	C	Acenaphthene	1.493	1.273	1.256	1.256	1.297	1.225	1.160	1.280	8.10
53)		3-Nitroaniline	0.464	0.406	0.389	0.398	0.399	0.379	0.362	0.399	7.96
54)	P	2,4-Dinitrophenol	0.198	0.192	0.207	0.226	0.233	0.232	0.227	0.217	7.86
55)		Dibenzofuran	2.319	1.961	1.825	1.820	1.847	1.698	1.594	1.866	12.38
56)	P	4-Nitrophenol	0.348	0.309	0.302	0.309	0.310	0.300	0.290	0.310	5.95
57)		2,4-Dinitrotol...	0.615	0.532	0.508	0.529	0.536	0.517	0.488	0.532	7.54
58)		Fluorene	1.913	1.569	1.491	1.499	1.501	1.394	1.303	1.524	12.61
59)		2,3,4,6-Tetrac...	0.528	0.462	0.445	0.458	0.470	0.444	0.416	0.460	7.47
60)		Diethylphthalate	2.177	1.761	1.654	1.669	1.653	1.543	1.429	1.698	13.91
61)		4-Chlorophenyl...	1.064	0.901	0.852	0.849	0.878	0.816	0.781	0.877	10.40
62)		4-Nitroaniline	0.513	0.420	0.401	0.413	0.404	0.383	0.368	0.414	11.33
63)		Azobenzene	1.950	1.625	1.516	1.529	1.547	1.444	1.348	1.565	12.17
64)	I	Phenanthrene-d10	-----ISTD-----								
65)		4,6-Dinitro-2-...	0.131	0.122	0.125	0.136	0.141	0.137	0.128	0.131	5.17
66)	c	n-Nitrosodiphe...	0.669	0.597	0.566	0.564	0.587	0.541	0.498	0.575	9.17
67)		4-Bromophenyl-...	0.295	0.260	0.252	0.248	0.267	0.252	0.231	0.258	7.67
68)		Hexachlorobenzene	0.308	0.272	0.259	0.261	0.274	0.260	0.239	0.268	7.92
69)		Atrazine	0.290	0.233	0.213	0.211	0.201		0.230		15.45
70)	C	Pentachlorophenol	0.175	0.159	0.164	0.166	0.172	0.162	0.150	0.164	5.00
71)		Phenanthrene	1.291	1.095	1.006	1.009	1.018	0.937	0.838	1.028	13.70
72)		Anthracene	1.308	1.096	1.009	1.005	1.022	0.936	0.840	1.031	14.16
73)		Carbazole	1.316	1.076	0.988	1.000	0.989	0.906		1.046	13.66
74)		Di-n-butylphth...	1.570	1.274	1.178	1.173	1.131	1.035		1.227	15.07
75)	C	Fluoranthene	1.684	1.362	1.230	1.253	1.201	1.097		1.305	15.70
76)	I	Chrysene-d12	-----ISTD-----								
77)		Benzidine	0.821	0.652	0.619	0.588	0.539			0.644	16.70
78)		Pyrene	1.690	1.473	1.326	1.296	1.294	1.194		1.379	12.85
79)	S	Terphenyl-d14		1.089	0.940	0.901	0.884	0.775		0.918	12.38
80)		Butylbenzylpht...	0.676	0.591	0.564	0.563	0.574	0.539	0.494	0.572	9.71
81)		Benzo(a)anthra...	1.602	1.382	1.272	1.273	1.282	1.193	1.070	1.296	12.75
82)		3,3'-Dichlorob...	0.634	0.549	0.508	0.508	0.511	0.470	0.431	0.516	12.39
83)		Chrysene	1.576	1.318	1.214	1.217	1.239	1.142	1.014	1.245	13.92
84)		Bis(2-ethylhex...	0.978	0.819	0.768	0.770	0.786	0.726	0.655	0.786	12.65

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85)	c	Di-n-octyl pht...	1.665	1.430	1.338	1.340	1.370	1.257	1.115	1.359	12.37
86)		Indeno(1,2,3-c...	1.897	1.656	1.596	1.615	1.687	1.622	1.501	1.654	7.39
87)	I	Perylene-d12	-----ISTD-----								
88)		Benzo(b)fluora...	1.477	1.312	1.210	1.239	1.239	1.209	1.084	1.253	9.58
89)		Benzo(k)fluora...	1.475	1.221	1.172	1.175	1.207	1.092	0.998	1.191	12.34
90)	C	Benzo(a)pyrene	1.424	1.209	1.153	1.170	1.181	1.123	1.020	1.183	10.36
91)		Dibenzo(a,h)an...	1.443	1.199	1.144	1.167	1.199	1.146	1.046	1.192	10.24
92)		Benzo(g,h,i)pe...	1.390	1.202	1.149	1.169	1.220	1.164	1.070	1.195	8.24

(#) = Out of Range