

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM103020.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Fri Oct 30 17:56:42 2020
 Response Via : Initial Calibration

Calibration Files

5 =BM027658.D 10 =BM027659.D 20 =BM027660.D 40 =BM027661.D 50 =BM027662.D 60 =BM027663.D 80 =BM027664.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.593	0.596	0.548	0.516	0.528	0.515	0.509	0.544	6.80
3) Pyridine	1.607	1.587	1.541	1.522	1.553	1.547	1.550	1.558	1.85
4) n-Nitrosodimet...	1.024	1.077	0.944	0.908	0.938	0.926	0.944	0.966	6.30
5) S 2-Fluorophenol	1.345	1.368	1.254	1.202	1.230	1.224	1.238	1.266	5.06
6) Aniline	2.042	2.153	1.958	1.935	1.992	1.985	1.983	2.007	3.60
7) S Phenol-d6	1.821	1.921	1.748	1.689	1.749	1.751	1.774	1.779	4.15
8) 2-Chlorophenol	1.279	1.409	1.264	1.205	1.248	1.235	1.256	1.271	5.14
9) Benzaldehyde		1.269	1.062	0.832	0.840	0.784	0.710	0.916	22.80
10) C Phenol	1.715	1.809	1.656	1.581	1.680	1.657	1.678	1.682	4.11
11) bis(2-Chloroet...	1.305	1.453	1.283	1.218	1.278	1.246	1.257	1.291	5.94
12) 1,3-Dichlorobe...	1.687	1.789	1.511	1.448	1.480	1.466	1.475	1.551	8.55
13) C 1,4-Dichlorobe...	1.715	1.758	1.532	1.461	1.494	1.470	1.485	1.559	7.94
14) 1,2-Dichlorobe...	1.605	1.671	1.479	1.380	1.433	1.398	1.417	1.483	7.53
15) Benzyl Alcohol	1.486	1.597	1.371	1.331	1.399	1.371	1.413	1.424	6.32
16) 2,2'-oxybis(1-...	2.185	2.364	2.084	1.929	1.994	1.942	1.957	2.065	7.76
17) 2-Methylphenol	1.178	1.231	1.110	1.059	1.126	1.097	1.117	1.131	5.01
18) Hexachloroethane	0.659	0.690	0.616	0.570	0.597	0.586	0.604	0.617	6.88
19) P n-Nitroso-di-n...	1.201	1.308	1.147	1.082	1.150	1.120	1.137	1.164	6.29
20) 3+4-Methylphenols	1.487	1.641	1.473	1.425	1.503	1.479	1.519	1.504	4.48
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.582	0.627	0.562	0.525	0.550	0.555	0.575	0.568	5.63
23) S Nitrobenzene-d5	0.402	0.456	0.425	0.420	0.445	0.453	0.468	0.438	5.29
24) Nitrobenzene	0.443	0.487	0.442	0.419	0.447	0.453	0.466	0.451	4.68
25) Isophorone	0.756	0.825	0.747	0.707	0.755	0.749	0.785	0.761	4.78
26) C 2-Nitrophenol	0.127	0.144	0.135	0.143	0.155	0.164	0.170	0.148	10.47
27) 2,4-Dimethylph...	0.293	0.331	0.282	0.273	0.282	0.284	0.293	0.291	6.53
28) bis(2-Chloroet...	0.451	0.510	0.450	0.426	0.447	0.451	0.469	0.458	5.73
29) C 2,4-Dichloroph...	0.301	0.334	0.310	0.294	0.314	0.320	0.332	0.315	4.81
30) 1,2,4-Trichlor...	0.407	0.423	0.378	0.353	0.370	0.371	0.385	0.384	6.24
31) Naphthalene	1.095	1.171	1.040	0.979	1.025	1.029	1.061	1.057	5.80
32) Benzoic acid		0.120	0.142	0.156	0.186	0.199	0.226	0.171	22.89
33) 4-Chloroaniline	0.448	0.498	0.451	0.435	0.466	0.472	0.486	0.465	4.81
34) C Hexachlorobuta...	0.260	0.288	0.245	0.231	0.239	0.238	0.242	0.249	7.73
35) Caprolactam	0.081	0.102	0.106	0.102	0.112	0.112	0.119	0.105	11.71
36) C 4-Chloro-3-met...	0.344	0.387	0.356	0.351	0.365	0.373	0.389	0.366	4.78
37) 2-Methylnaphth...	0.754	0.828	0.747	0.686	0.734	0.745	0.756	0.750	5.60
38) 1-Methylnaphth...	0.695	0.791	0.703	0.661	0.698	0.700	0.730	0.711	5.71

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.665	0.684	0.639	0.581	0.619	0.613	0.623	0.632	5.42
41) P	Hexachlorocycl...	0.334	0.366	0.350	0.322	0.345	0.343	0.346	0.344	4.01
42) S	2,4,6-Tribromo...	0.219	0.246	0.227	0.226	0.246	0.248	0.259	0.239	6.15
43) C	2,4,6-Trichlor...	0.370	0.435	0.410	0.385	0.416	0.420	0.437	0.411	6.08
44)	2,4,5-Trichlor...	0.434	0.459	0.430	0.408	0.443	0.451	0.456	0.440	4.02
45) S	2-Fluorobiphenyl	1.490	1.515	1.395	1.289	1.370	1.361	1.392	1.402	5.56
46)	1,1'-Biphenyl	1.627	1.662	1.518	1.400	1.496	1.481	1.514	1.528	5.85
47)	2-Chloronaphth...	1.287	1.364	1.288	1.170	1.244	1.243	1.265	1.266	4.64
48)	2-Nitroaniline	0.337	0.383	0.407	0.417	0.462	0.476	0.500	0.426	13.40
49)	Acenaphthylene	1.914	2.055	1.899	1.786	1.891	1.899	1.937	1.912	4.15
50)	Dimethylphthalate	1.644	1.711	1.585	1.473	1.584	1.590	1.629	1.602	4.53
51)	2,6-Dinitrotol...	0.265	0.313	0.311	0.301	0.329	0.334	0.350	0.315	8.70
52) C	Acenaphthene	1.258	1.319	1.236	1.176	1.239	1.252	1.291	1.253	3.60
53)	3-Nitroaniline	0.291	0.354	0.351	0.348	0.378	0.378	0.399	0.357	9.63
54) P	2,4-Dinitrophenol		0.118	0.114	0.128	0.145	0.160		0.133	14.43
55)	Dibenzofuran	1.952	2.019	1.868	1.706	1.843	1.808	1.857	1.865	5.38
56) P	4-Nitrophenol		0.273	0.270	0.273	0.297	0.303	0.320	0.289	7.00
57)	2,4-Dinitrotol...	0.339	0.396	0.413	0.412	0.463	0.467	0.495	0.427	12.40
58)	Fluorene	1.577	1.604	1.512	1.422	1.514	1.515	1.554	1.528	3.85
59)	2,3,4,6-Tetrac...	0.328	0.388	0.392	0.370	0.402	0.406	0.417	0.386	7.73
60)	Diethylphthalate	1.632	1.749	1.623	1.514	1.618	1.619	1.678	1.633	4.34
61)	4-Chlorophenyl...	0.821	0.860	0.791	0.711	0.768	0.769	0.787	0.787	5.92
62)	4-Nitroaniline	0.334	0.396	0.399	0.393	0.424	0.430	0.457	0.405	9.54
63)	Azobenzene	1.690	1.847	1.687	1.562	1.664	1.671	1.722	1.692	5.02
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.071	0.069	0.077	0.090	0.094		0.080	14.19
66) c	n-Nitrosodiphe...	0.628	0.656	0.589	0.548	0.592	0.594	0.618	0.604	5.71
67)	4-Bromophenyl-...	0.221	0.233	0.207	0.194	0.210	0.212	0.220	0.214	5.72
68)	Hexachlorobenzene	0.258	0.274	0.245	0.225	0.245	0.240	0.250	0.248	6.09
69)	Atrazine	0.201	0.230	0.205	0.192	0.200	0.199	0.202	0.204	5.88
70) C	Pentachlorophenol	0.109	0.135	0.131	0.127	0.141	0.145	0.154	0.134	10.62
71)	Phenanthrene	1.131	1.232	1.110	1.047	1.104	1.116	1.161	1.129	5.05
72)	Anthracene	1.106	1.195	1.079	1.017	1.089	1.097	1.143	1.104	5.01
73)	Carbazole	1.033	1.119	1.038	0.978	1.034	1.048	1.092	1.049	4.32
74)	Di-n-butylphth...	1.183	1.350	1.198	1.133	1.232	1.232	1.294	1.232	5.83
75) C	Fluoranthene	1.314	1.444	1.296	1.225	1.311	1.319	1.377	1.327	5.17
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.660	0.668	0.553	0.551	0.491	0.491		0.569	13.78
78)	Pyrene	1.347	1.476	1.358	1.301	1.396	1.392	1.441	1.387	4.25
79) S	Terphenyl-d14	1.006	1.105	0.993	0.938	1.003	1.009	1.043	1.014	5.04
80)	Butylbenzylpht...	0.423	0.517	0.491	0.505	0.561	0.570	0.607	0.525	11.52
81)	Benzo(a)anthra...	1.379	1.454	1.307	1.257	1.326	1.335	1.392	1.350	4.76
82)	3,3'-Dichlorob...	0.430	0.504	0.466	0.442	0.469	0.466	0.466	0.463	5.04
83)	Chrysene	1.283	1.421	1.280	1.206	1.298	1.298	1.331	1.302	4.98
84)	Bis(2-ethylhex...	0.686	0.821	0.738	0.716	0.783	0.788	0.841	0.767	7.34
85) c	Di-n-octyl pht...	1.146	1.355	1.236	1.212	1.343	1.341	1.434	1.295	7.71

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86) I	Perylene-d12													
87)	Indeno(1,2,3-c...	1.468	1.534	1.444	1.337	1.443	1.499	1.511	1.462		4.45			
88)	Benzo(b)fluora...	1.369	1.416	1.362	1.218	1.377	1.403	1.400	1.364		4.93			
89)	Benzo(k)fluora...	1.315	1.366	1.302	1.198	1.255	1.296	1.352	1.298		4.41			
90) C	Benzo(a)pyrene	1.272	1.323	1.255	1.146	1.247	1.271	1.294	1.258		4.43			
91)	Dibenzo(a,h)an...	1.207	1.248	1.177	1.083	1.189	1.221	1.243	1.196		4.70			
92)	Benzo(g,h,i)pe...	1.185	1.220	1.157	1.072	1.156	1.193	1.206	1.170		4.21			

(#) = Out of Range