

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF061918.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Jun 19 14:32:09 2018
 Response Via : Initial Calibration

Calibration Files

2.5 =BF106572.D 10 =BF106573.D 25 =BF106574.D 40 =BF106575.D 50 =BF106576.D 60 =BF106577.D 80 =BF106578.D

	Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.621	0.640	0.619	0.598	0.604	0.594	0.574	0.607	3.55
3)	Pyridine	1.698	1.651	1.693	1.615	1.672	1.617	1.583	1.647	2.65
4)	n-Nitrosodimet...	0.691	0.698	0.713	0.700	0.721	0.697	0.676	0.699	2.12
5) S	2-Fluorophenol	1.340	1.355	1.259	1.145	1.122	1.068	0.979	1.181	11.98
6)	Aniline	2.202	2.218	2.085	1.956	1.941	1.862	1.742	2.001	8.81
7) S	Phenol-d6	1.712	1.675	1.554	1.416	1.399	1.332	1.237	1.475	12.03
8)	2-Chlorophenol	1.423	1.454	1.371	1.260	1.252	1.203	1.105	1.295	9.73
9)	Benzaldehyde	1.266	1.242	1.106	0.968	0.937	0.851	0.682	1.008	21.00
10) C	Phenol	1.932	1.900	1.789	1.624	1.614	1.510	1.414	1.683	11.67
11)	bis(2-Chloroet...	1.502	1.496	1.431	1.347	1.361	1.327	1.263	1.390	6.45
12)	1,3-Dichlorobe...	1.667	1.662	1.588	1.473	1.476	1.424	1.330	1.517	8.33
13) C	1,4-Dichlorobe...	1.704	1.716	1.598	1.480	1.497	1.418	1.324	1.534	9.52
14)	1,2-Dichlorobe...	1.579	1.614	1.492	1.375	1.346	1.280	1.155	1.406	11.77
15)	Benzyl Alcohol	1.292	1.348	1.274	1.165	1.162	1.083	0.965	1.184	11.19
16)	2,2'-oxybis(1-...	2.058	1.982	1.919	1.774	1.768	1.688	1.574	1.823	9.38
17)	2-Methylphenol	1.143	1.182	1.140	1.077	1.091	1.060	1.068	1.109	4.17
18)	Hexachloroethane	0.581	0.581	0.567	0.522	0.534	0.509	0.481	0.539	7.13
19) P	n-Nitroso-di-n...	1.137	1.155	1.035	0.897	0.911	0.849	0.823	0.972	14.02
20)	3+4-Methylphenols	1.606	1.576	1.397	1.213	1.168	1.074	0.948	1.283	19.56
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.555	0.494	0.430	0.425	0.410	0.370	0.447		14.84
23) S	Nitrobenzene-d5	0.398	0.398	0.377	0.343	0.346	0.339	0.318	0.360	8.68
24)	Nitrobenzene	0.402	0.404	0.388	0.354	0.359	0.346	0.318	0.367	8.68
25)	Isophorone	0.669	0.676	0.649	0.601	0.620	0.618	0.608	0.634	4.73
26) C	2-Nitrophenol	0.166	0.177	0.183	0.173	0.174	0.176	0.167	0.173	3.37
27)	2,4-Dimethylph...	0.271	0.295	0.279	0.262	0.258	0.257	0.255	0.268	5.41
28)	bis(2-Chloroet...	0.471	0.470	0.440	0.403	0.410	0.406	0.379	0.426	8.32
29) C	2,4-Dichloroph...	0.291	0.304	0.301	0.274	0.274	0.271	0.251	0.281	6.64
30)	1,2,4-Trichlor...	0.350	0.336	0.325	0.296	0.298	0.291	0.269	0.309	9.27
31)	Naphthalene	1.106	1.081	0.995	0.883	0.873	0.849	0.758	0.935	13.77
32)	Benzoic acid	0.133	0.169	0.177	0.192	0.202	0.209	0.180		15.32
33)	4-Chloroaniline	0.427	0.429	0.410	0.373	0.381	0.369	0.357	0.392	7.47
34) C	Hexachlorobuta...	0.216	0.221	0.214	0.195	0.196	0.194	0.176	0.201	7.97
35)	Caprolactam	0.094	0.093	0.090	0.091	0.092	0.088	0.091		2.38
36) C	4-Chloro-3-met...	0.311	0.325	0.311	0.283	0.288	0.282	0.268	0.295	6.88
37)	2-Methylnaphth...	0.720	0.713	0.658	0.587	0.580	0.568	0.512	0.620	12.71

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38) I	Acenaphthene-d10	-----ISTD-----								
39)	1,2,4,5-Tetrac...	0.744	0.762	0.704	0.649	0.658	0.625	0.572	0.674	10.00
40) P	Hexachlorocycl...		0.300	0.349	0.347	0.364	0.363	0.356	0.347	6.86
41) S	2,4,6-Tribromo...	0.235	0.250	0.246	0.229	0.233	0.222	0.207	0.232	6.25
42) C	2,4,6-Trichlor...	0.473	0.486	0.466	0.429	0.439	0.435	0.406	0.448	6.28
43)	2,4,5-Trichlor...	0.468	0.506	0.492	0.457	0.467	0.456	0.424	0.467	5.65
44) S	2-Fluorobiphenyl		1.666	1.419	1.201	1.159	1.102		1.309	17.77
45)	1,1'-Biphenyl	1.870	1.865	1.702	1.511	1.499	1.421	1.289	1.594	14.04
46)	2-Chloronaphth...	1.433	1.427	1.321	1.193	1.197	1.153	1.058	1.255	11.37
47)	2-Nitroaniline	0.431	0.454	0.441	0.417	0.418	0.406	0.386	0.422	5.34
48)	Acenaphthylene	2.321	2.300	2.119	1.880	1.887	1.768	1.590	1.981	13.88
49)	Dimethylphthalate	1.673	1.650	1.546	1.411	1.447	1.399	1.376	1.500	8.22
50)	2,6-Dinitrotol...	0.321	0.339	0.335	0.307	0.320	0.309	0.294	0.318	5.02
51) C	Acenaphthene	1.457	1.418	1.323	1.199	1.202	1.150	0.982	1.247	13.20
52)	3-Nitroaniline	0.357	0.387	0.380	0.357	0.376	0.359	0.343	0.366	4.28
53) P	2,4-Dinitrophenol		0.097	0.137	0.145	0.160	0.163	0.165	0.145	17.81
54)	Dibenzofuran	2.011	1.980	1.827	1.627	1.612	1.528	1.370	1.708	13.98
55) P	4-Nitrophenol	0.214	0.263	0.272	0.259	0.265	0.261	0.253	0.255	7.47
56)	2,4-Dinitrotol...	0.389	0.440	0.443	0.414	0.426	0.413	0.378	0.415	5.89
57)	Fluorene		1.624	1.441	1.266	1.256	1.190		1.355	13.01
58)	2,3,4,6-Tetrac...	0.360	0.392	0.396	0.364	0.376	0.364	0.347	0.371	4.74
59)	Diethylphthalate	1.678	1.642	1.513	1.373	1.374	1.322	1.232	1.448	11.58
60)	4-Chlorophenyl...	0.847	0.822	0.746	0.674	0.670	0.637	0.568	0.709	14.18
61)	4-Nitroaniline	0.338	0.389	0.382	0.354	0.371	0.362	0.344	0.363	5.23
62)	Azobenzene	1.663	1.658	1.513	1.361	1.348	1.281	1.156	1.426	13.49
63) I	Phenanthrene-d10	-----ISTD-----								
64)	4,6-Dinitro-2-...		0.103	0.126	0.124	0.133	0.130	0.126	0.124	8.72
65) c	n-Nitrosodiphe...	0.785	0.775	0.716	0.633	0.638	0.602	0.560	0.673	12.92
66)	4-Bromophenyl-...	0.253	0.265	0.254	0.227	0.234	0.225	0.213	0.239	7.88
67)	Hexachlorobenzene	0.267	0.268	0.258	0.239	0.250	0.238	0.228	0.250	6.11
68)	Atrazine	0.226	0.239	0.225	0.206	0.211	0.201	0.190	0.214	7.87
69) C	Pentachlorophenol		0.095	0.122	0.125	0.136	0.136	0.133	0.125	12.44
70)	Phenanthrene		1.177	1.067	0.931	0.936	0.876	0.801	0.965	14.08
71)	Anthracene		1.195	1.085	0.946	0.972	0.897	0.813	0.985	13.85
72)	Carbazole	1.106	1.071	0.974	0.868	0.865	0.821	0.747	0.922	14.39
73)	Di-n-butylphth...	1.265	1.261	1.173	1.032	1.033	0.966	0.871	1.086	13.89
74) C	Fluoranthene		1.304	1.172	1.034	1.024	0.966	0.879	1.063	14.30
75) I	Chrysene-d12	-----ISTD-----								
76)	Benzidine	0.621	0.682	0.590	0.572	0.536	0.522	0.464	0.570	12.47
77)	Pyrene	1.460	1.422	1.356	1.230	1.314	1.268	1.181	1.319	7.66
78) S	Terphenyl-d14		1.014	0.889	0.802	0.806	0.759	0.684	0.826	13.79
79)	Butylbenzylphth...	0.528	0.565	0.561	0.523	0.558	0.542	0.519	0.542	3.59
80)	Benzo(a)anthra...	1.369	1.324	1.270	1.164	1.184	1.139	1.083	1.219	8.56
81)	3,3'-Dichlorob...		0.498	0.465	0.410	0.404	0.365		0.428	12.32
82)	Chrysene	1.307	1.238	1.168	1.047	1.081	1.041	0.967	1.121	10.77

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83)	Bis(2-ethylhex...	0.761	0.775	0.737	0.656	0.677	0.653	0.594	0.693	9.57
84) c	Di-n-octyl pht...	1.193	1.243	1.211	1.075	1.106	1.069	1.013	1.130	7.60
85)	Indeno(1,2,3-c...	1.105	1.037	0.890	0.852	0.903	0.927	0.947	0.952	9.33
86) I	Perylene-d12	-----ISTD-----								
87)	Benzo(b)fluora...	1.274	1.288	1.337	1.201	1.233	1.240	1.124	1.242	5.51
88)	Benzo(k)fluora...	1.309	1.258	1.193	1.160	1.186	1.097	1.079	1.183	6.95
89) C	Benzo(a)pyrene	1.161	1.150	1.138	1.087	1.092	1.066	1.038	1.104	4.19
90)	Dibenzo(a,h)an...	1.006	0.942	0.885	0.883	0.946	0.954	0.935	0.936	4.51
91)	Benzo(g,h,i)pe...	0.954	0.889	0.827	0.860	0.936	0.975	0.963	0.915	6.23

(#) = Out of Range