

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM122121.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Dec 21 16:25:49 2021
 Response Via : Initial Calibration

Calibration Files

5 =BM033549.D 10 =BM033550.D 20 =BM033551.D 40 =BM033552.D 50 =BM033553.D 60 =BM033554.D 80 =BM033555.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.573	0.516	0.468	0.455	0.412			0.485	12.73
3) Pyridine	1.283	1.361	1.223	1.303	1.215	1.126	1.063	1.225	8.43
4) n-Nitrosodimet...	1.073	0.960	0.939	0.995	0.861	0.815	0.759	0.915	11.91
5) S 2-Fluorophenol	1.322	1.281	1.157	1.246	1.116	1.037	0.974	1.162	11.12
6) Aniline	2.002	2.013	1.866	2.008	1.804	1.726	1.579	1.857	8.94
7) S Phenol-d6	1.755	1.727	1.636	1.759	1.595	1.507	1.408	1.627	8.23
8) 2-Chlorophenol	1.417	1.365	1.313	1.375	1.241	1.159	1.093	1.281	9.42
9) Benzaldehyde	1.296	1.289	1.096	1.001	0.899			1.116	15.74
10) C Phenol	1.670	1.742	1.603	1.755	1.602	1.510	1.422	1.615	7.46
11) bis(2-Chloroet...	1.333	1.353	1.247	1.314	1.201	1.128	1.042	1.231	9.35
12) 1,3-Dichlorobe...	1.803	1.665	1.549	1.591	1.426	1.325	1.216	1.511	13.40
13) C 1,4-Dichlorobe...	1.720	1.767	1.541	1.637	1.450	1.367	1.267	1.536	12.05
14) 1,2-Dichlorobe...	1.704	1.690	1.518	1.627	1.421	1.363	1.252	1.511	11.45
15) Benzyl Alcohol	1.545	1.581	1.548	1.678	1.526	1.454	1.395	1.532	5.89
16) 2,2'-oxybis(1-...	2.419	2.408	2.241	2.334	2.063	1.952	1.818	2.176	10.83
17) 2-Methylphenol	1.207	1.290	1.161	1.277	1.160	1.094	1.029	1.174	7.99
18) Hexachloroethane	0.669	0.697	0.646	0.680	0.611	0.564	0.530	0.628	9.99
19) P n-Nitroso-di-n...	1.293	1.384	1.275	1.378	1.240	1.193	1.108	1.267	7.78
20) 3+4-Methylphenols	1.615	1.729	1.612	1.751	1.601	1.521	1.439	1.610	6.78
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.565	0.590	0.544	0.579	0.560	0.507	0.490	0.548	6.73
23) S Nitrobenzene-d5	0.518	0.510	0.473	0.507	0.487	0.446	0.431	0.482	6.96
24) Nitrobenzene	0.515	0.488	0.452	0.481	0.458	0.422	0.405	0.460	8.29
25) Isophorone	0.836	0.819	0.727	0.787	0.761	0.701	0.682	0.759	7.72
26) C 2-Nitrophenol	0.174	0.170	0.176	0.194	0.179	0.169	0.168	0.176	5.05
27) 2,4-Dimethylph...	0.301	0.299	0.255	0.285	0.270	0.252	0.238	0.271	8.98
28) bis(2-Chloroet...	0.457	0.453	0.409	0.450	0.428	0.394	0.386	0.425	6.96
29) C 2,4-Dichloroph...	0.309	0.333	0.312	0.341	0.328	0.300	0.292	0.316	5.72
30) 1,2,4-Trichlor...	0.422	0.392	0.369	0.388	0.366	0.345	0.328	0.373	8.40
31) Naphthalene	1.213	1.159	1.055	1.112	1.069	0.971	0.936	1.074	9.16
32) Benzoic acid	0.209	0.210	0.196	0.245	0.236	0.225	0.227	0.221	7.70
33) 4-Chloroaniline	0.394	0.424	0.392	0.439	0.432	0.391	0.383	0.408	5.62
34) C Hexachlorobuta...	0.297	0.281	0.256	0.267	0.246	0.230	0.217	0.256	11.06
35) Caprolactam	0.056	0.070	0.066	0.072	0.070	0.066	0.063	0.066	8.28
36) C 4-Chloro-3-met...	0.411	0.429	0.396	0.432	0.419	0.388	0.375	0.407	5.36
37) 2-Methylnaphth...	0.845	0.823	0.750	0.805	0.766	0.705	0.690	0.769	7.63
38) 1-Methylnaphth...	0.866	0.832	0.742	0.797	0.771	0.697	0.674	0.769	9.06

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.658	0.609	0.588	0.588	0.563	0.520	0.497	0.575	9.39
41) P	Hexachlorocycl...	0.302	0.301	0.335	0.358	0.334	0.317	0.288	0.319	7.57
42) S	2,4,6-Tribromo...	0.261	0.272	0.251	0.255	0.246	0.227	0.211	0.246	8.41
43) C	2,4,6-Trichlor...	0.431	0.414	0.406	0.426	0.407	0.384	0.363	0.404	5.91
44)	2,4,5-Trichlor...	0.443	0.459	0.440	0.444	0.433	0.398	0.388	0.429	6.08
45) S	2-Fluorobiphenyl	1.631	1.510	1.401	1.460	1.387	1.301	1.240	1.419	9.19
46)	1,1'-Biphenyl	1.648	1.576	1.477	1.504	1.449	1.340	1.279	1.468	8.70
47)	2-Chloronaphth...	1.279	1.207	1.142	1.177	1.122	1.040	1.003	1.139	8.36
48)	2-Nitroaniline	0.388	0.442	0.436	0.468	0.462	0.436	0.413	0.435	6.35
49)	Acenaphthylene	2.008	1.989	1.808	1.881	1.802	1.684	1.592	1.823	8.33
50)	Dimethylphthalate	1.707	1.706	1.542	1.590	1.517	1.403	1.327	1.542	9.28
51)	2,6-Dinitrotol...	0.325	0.335	0.299	0.324	0.312	0.286	0.273	0.308	7.31
52) C	Acenaphthene	1.217	1.175	1.106	1.118	1.087	1.009	0.957	1.095	8.20
53)	3-Nitroaniline	0.266	0.298	0.304	0.332	0.327	0.303	0.284	0.302	7.63
54) P	2,4-Dinitrophenol	0.139	0.186	0.189	0.215	0.214	0.204	0.194	0.192	13.59
55)	Dibenzofuran	2.081	2.038	1.894	1.919	1.864	1.713	1.622	1.876	8.76
56) P	4-Nitrophenol		0.190	0.211	0.257	0.256	0.251	0.235	0.233	11.76
57)	2,4-Dinitrotol...	0.425	0.454	0.429	0.453	0.446	0.414	0.387	0.430	5.58
58)	Fluorene	1.678	1.642	1.502	1.556	1.493	1.399	1.314	1.512	8.49
59)	2,3,4,6-Tetrac...	0.414	0.427	0.406	0.411	0.392	0.365	0.344	0.394	7.53
60)	Diethylphthalate	1.869	1.848	1.665	1.689	1.638	1.519	1.416	1.663	9.79
61)	4-Chlorophenyl...	0.886	0.868	0.802	0.813	0.789	0.735	0.686	0.797	8.81
62)	4-Nitroaniline	0.247	0.307	0.307	0.351	0.347	0.320	0.301	0.311	11.16
63)	Azobenzene	1.934	1.983	1.880	1.922	1.849	1.697	1.584	1.836	7.83
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.127	0.133	0.133	0.145	0.138	0.133	0.125	0.133	5.00
66) c	n-Nitrosodiphe...	0.655	0.619	0.579	0.615	0.588	0.557	0.540	0.593	6.65
67)	4-Bromophenyl-...	0.242	0.232	0.216	0.221	0.210	0.199	0.192	0.216	8.15
68)	Hexachlorobenzene	0.263	0.251	0.230	0.238	0.229	0.213	0.205	0.233	8.74
69)	Atrazine	0.146	0.148	0.134	0.141	0.120	0.110		0.133	11.35
70) C	Pentachlorophenol	0.142	0.143	0.140	0.151	0.147	0.139	0.133	0.142	3.98
71)	Phenanthrene	1.243	1.210	1.095	1.130	1.079	1.011	0.955	1.103	9.27
72)	Anthracene	1.206	1.177	1.069	1.121	1.071	0.999	0.955	1.085	8.36
73)	Carbazole	1.149	1.127	1.039	1.083	1.024	0.967	0.898	1.041	8.50
74)	Di-n-butylphth...	1.454	1.362	1.263	1.336	1.280	1.200	1.126	1.289	8.38
75) C	Fluoranthene	1.469	1.413	1.269	1.299	1.212	1.118	1.056	1.262	11.78
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.246	0.276	0.195	0.218	0.168			0.221	19.14
78)	Pyrene	1.575	1.553	1.469	1.573	1.490	1.434	1.306	1.486	6.47
79) S	Terphenyl-d14	1.292	1.258	1.212	1.266	1.201	1.147	1.042	1.202	7.12
80)	Butylbenzylpht...	0.662	0.656	0.649	0.697	0.654	0.630	0.588	0.648	5.10
81)	Benzo(a)anthra...	1.527	1.462	1.372	1.414	1.322	1.260	1.181	1.363	8.73
82)	3,3'-Dichlorob...	0.673	0.673	0.629	0.638	0.600	0.564	0.508	0.612	9.80
83)	Chrysene	1.459	1.426	1.300	1.352	1.272	1.207	1.131	1.307	8.92
84)	Bis(2-ethylhex...	0.935	0.901	0.876	0.950	0.911	0.868	0.816	0.894	5.06
85) c	Di-n-octyl pht...	1.559	1.497	1.434	1.525	1.467	1.400	1.349	1.462	4.99

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.583	1.526	1.399	1.452	1.418	1.303	1.235	1.416	8.50	
88)	Benzo(b)fluora...	1.461	1.383	1.282	1.302	1.289	1.168	1.083	1.281	9.83	
89)	Benzo(k)fluora...	1.445	1.381	1.266	1.319	1.241	1.164	1.121	1.277	9.01	
90) C	Benzo(a)pyrene	1.223	1.159	1.068	1.116	1.065	0.988	0.930	1.078	9.21	
91)	Dibenzo(a,h)an...	1.347	1.277	1.174	1.229	1.197	1.098	1.049	1.196	8.51	
92)	Benzo(g,h,i)pe...	1.286	1.249	1.167	1.223	1.191	1.092	1.034	1.178	7.53	

(#) = Out of Range