

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM071921.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Jul 19 18:48:56 2021
 Response Via : Initial Calibration

Calibration Files

5 =BM031004.D 10 =BM031005.D 20 =BM031006.D 40 =BM031007.D 50 =BM031008.D 60 =BM031009.D 80 =BM031010.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.511	0.498	0.463	0.442	0.412	0.412	0.386	0.446	10.48
3)	Pyridine	1.282	1.338	1.322	1.309	1.242	1.248	1.195	1.277	4.01
4)	n-Nitrosodimet...	0.713	0.758	0.744	0.754	0.693	0.717	0.684	0.723	4.04
5) S	2-Fluorophenol	1.151	1.162	1.147	1.146	1.091	1.100	1.059	1.122	3.47
6)	Aniline	1.713	1.790	1.788	1.778	1.695	1.729	1.654	1.735	3.02
7) S	Phenol-d6	1.562	1.618	1.647	1.668	1.597	1.638	1.568	1.614	2.49
8)	2-Chlorophenol	1.323	1.332	1.356	1.363	1.293	1.321	1.273	1.323	2.43
9)	Benzaldehyde	1.086	1.105	1.067	0.948	0.875	0.834	0.744	0.951	14.73
10) C	Phenol	1.541	1.612	1.601	1.616	1.554	1.565	1.506	1.571	2.61
11)	bis(2-Chloroet...	1.156	1.250	1.225	1.194	1.130	1.138	1.091	1.169	4.80
12)	1,3-Dichlorobe...	1.473	1.485	1.486	1.445	1.390	1.388	1.321	1.427	4.37
13) C	1,4-Dichlorobe...	1.515	1.544	1.502	1.470	1.392	1.413	1.362	1.457	4.71
14)	1,2-Dichlorobe...	1.463	1.478	1.463	1.439	1.366	1.395	1.340	1.420	3.78
15)	Benzyl Alcohol	1.318	1.363	1.420	1.424	1.368	1.379	1.318	1.370	3.12
16)	2,2'-oxybis(1-...	1.492	1.517	1.553	1.507	1.420	1.431	1.364	1.469	4.50
17)	2-Methylphenol	1.062	1.122	1.160	1.163	1.106	1.123	1.088	1.117	3.29
18)	Hexachloroethane	0.573	0.576	0.575	0.602	0.555	0.560	0.535	0.568	3.69
19) P	n-Nitroso-di-n...	1.114	1.164	1.217	1.214	1.147	1.167	1.122	1.163	3.50
20)	3+4-Methylphenols	1.464	1.561	1.596	1.646	1.547	1.580	1.519	1.559	3.72
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.492	0.503	0.504	0.512	0.492	0.500	0.497	0.500	1.43
23) S	Nitrobenzene-d5	0.377	0.400	0.413	0.411	0.395	0.400	0.400	0.399	2.97
24)	Nitrobenzene	0.387	0.422	0.423	0.411	0.391	0.398	0.396	0.404	3.62
25)	Isophorone	0.675	0.722	0.744	0.743	0.715	0.723	0.716	0.720	3.22
26) C	2-Nitrophenol	0.148	0.161	0.175	0.180	0.177	0.182	0.179	0.172	7.27
27)	2,4-Dimethylph...	0.273	0.274	0.278	0.277	0.265	0.268	0.271	0.272	1.68
28)	bis(2-Chloroet...	0.357	0.371	0.377	0.377	0.362	0.364	0.358	0.367	2.38
29) C	2,4-Dichloroph...	0.295	0.309	0.331	0.330	0.316	0.326	0.325	0.319	4.15
30)	1,2,4-Trichlor...	0.334	0.349	0.354	0.354	0.343	0.348	0.344	0.346	2.05
31)	Naphthalene	0.997	1.035	1.061	1.059	1.016	1.031	1.027	1.032	2.20
32)	Benzoic acid	0.173	0.206	0.216	0.231	0.237	0.242	0.241	0.221	11.36
33)	4-Chloroaniline	0.415	0.436	0.454	0.457	0.439	0.449	0.446	0.442	3.23
34) C	Hexachlorobuta...	0.232	0.228	0.230	0.230	0.221	0.221	0.221	0.226	2.19
35)	Caprolactam	0.092	0.100	0.111	0.110	0.108	0.108	0.110	0.105	6.60
36) C	4-Chloro-3-met...	0.321	0.356	0.379	0.381	0.367	0.370	0.371	0.364	5.61
37)	2-Methylnaphth...	0.740	0.791	0.810	0.813	0.782	0.806	0.805	0.792	3.26
38)	1-Methylnaphth...	0.729	0.740	0.774	0.779	0.751	0.764	0.760	0.757	2.36

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.559	0.573	0.571	0.586	0.556	0.567	0.567	0.568	1.75
41) P	Hexachlorocycl...	0.300	0.315	0.337	0.347	0.329	0.301	0.318	0.321	5.47
42) S	2,4,6-Tribromo...	0.232	0.249	0.262	0.276	0.265	0.273	0.280	0.262	6.43
43) C	2,4,6-Trichlor...	0.358	0.386	0.403	0.417	0.398	0.409	0.409	0.397	4.95
44)	2,4,5-Trichlor...	0.405	0.421	0.437	0.458	0.437	0.443	0.446	0.435	3.99
45) S	2-Fluorobiphenyl	1.296	1.353	1.365	1.408	1.343	1.373	1.371	1.359	2.53
46)	1,1'-Biphenyl	1.386	1.420	1.434	1.472	1.399	1.421	1.433	1.424	1.94
47)	2-Chloronaphth...	1.095	1.129	1.141	1.171	1.109	1.126	1.133	1.129	2.12
48)	2-Nitroaniline	0.299	0.333	0.360	0.378	0.366	0.368	0.373	0.354	7.95
49)	Acenaphthylene	1.675	1.795	1.825	1.861	1.780	1.801	1.816	1.793	3.25
50)	Dimethylphthalate	1.455	1.521	1.535	1.553	1.471	1.471	1.486	1.499	2.48
51)	2,6-Dinitrotol...	0.299	0.322	0.345	0.355	0.336	0.336	0.341	0.333	5.47
52) C	Acenaphthene	1.062	1.110	1.142	1.159	1.104	1.124	1.134	1.119	2.81
53)	3-Nitroaniline	0.294	0.325	0.342	0.361	0.340	0.346	0.350	0.337	6.50
54) P	2,4-Dinitrophenol	0.141	0.168	0.194	0.216	0.208	0.212	0.218	0.194	14.92
55)	Dibenzofuran	1.786	1.850	1.891	1.907	1.788	1.817	1.831	1.839	2.58
56) P	4-Nitrophenol	0.261	0.282	0.299	0.315	0.302	0.303	0.310	0.296	6.25
57)	2,4-Dinitrotol...	0.396	0.436	0.478	0.504	0.478	0.482	0.500	0.468	8.23
58)	Fluorene	1.448	1.523	1.559	1.624	1.542	1.566	1.587	1.550	3.58
59)	2,3,4,6-Tetrac...	0.377	0.399	0.412	0.427	0.405	0.407	0.416	0.406	3.89
60)	Diethylphthalate	1.519	1.621	1.649	1.691	1.589	1.595	1.607	1.610	3.33
61)	4-Chlorophenyl...	0.750	0.779	0.794	0.808	0.767	0.776	0.785	0.780	2.39
62)	4-Nitroaniline	0.318	0.345	0.379	0.398	0.375	0.377	0.386	0.368	7.48
63)	Azobenzene	1.492	1.609	1.654	1.673	1.562	1.564	1.574	1.590	3.87
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.100	0.111	0.125	0.135	0.133	0.136	0.138	0.125	11.58
66) c	n-Nitrosodiphe...	0.567	0.588	0.596	0.613	0.598	0.608	0.606	0.597	2.63
67)	4-Bromophenyl-...	0.196	0.208	0.213	0.217	0.210	0.214	0.216	0.211	3.37
68)	Hexachlorobenzene	0.223	0.231	0.237	0.244	0.236	0.239	0.242	0.236	3.07
69)	Atrazine	0.196	0.217	0.222	0.226	0.221	0.217	0.217	0.216	4.42
70) C	Pentachlorophenol	0.126	0.142	0.154	0.165	0.162	0.163	0.165	0.154	9.73
71)	Phenanthrene	1.045	1.091	1.110	1.142	1.112	1.119	1.122	1.106	2.77
72)	Anthracene	1.011	1.074	1.092	1.131	1.108	1.109	1.113	1.091	3.60
73)	Carbazole	0.994	1.066	1.086	1.107	1.081	1.072	1.082	1.070	3.32
74)	Di-n-butylphth...	1.115	1.215	1.294	1.355	1.310	1.319	1.313	1.274	6.46
75) C	Fluoranthene	1.262	1.339	1.373	1.425	1.379	1.377	1.387	1.363	3.75
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.503	0.531	0.472	0.692	0.479	0.513	0.451	0.520	15.44
78)	Pyrene	1.140	1.240	1.283	1.347	1.283	1.304	1.313	1.273	5.28
79) S	Terphenyl-d14	0.927	0.999	1.037	1.098	1.042	1.050	1.040	1.027	5.14
80)	Butylbenzylpht...	0.448	0.492	0.545	0.594	0.569	0.583	0.584	0.545	10.11
81)	Benzo(a)anthra...	1.264	1.303	1.343	1.391	1.315	1.318	1.325	1.323	2.92
82)	3,3'-Dichlorob...	0.314	0.351	0.367	0.388	0.367	0.370	0.365	0.360	6.37
83)	Chrysene	1.210	1.291	1.300	1.339	1.286	1.290	1.290	1.287	2.98
84)	Bis(2-ethylhex...	0.685	0.774	0.831	0.916	0.874	0.890	0.893	0.838	9.84
85) c	Di-n-octyl pht...	1.196	1.319	1.430	1.544	1.467	1.476	1.490	1.417	8.45

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.318	1.366	1.384	1.454	1.383	1.398	1.437	1.391	3.25	
88)	Benzo(b)fluora...	1.191	1.257	1.344	1.427	1.340	1.357	1.408	1.332	6.22	
89)	Benzo(k)fluora...	1.176	1.230	1.270	1.320	1.300	1.329	1.261	1.269	4.25	
90) C	Benzo(a)pyrene	1.091	1.154	1.210	1.274	1.213	1.233	1.236	1.202	5.05	
91)	Dibenzo(a,h)an...	1.134	1.167	1.190	1.254	1.201	1.214	1.255	1.202	3.67	
92)	Benzo(g,h,i)pe...	1.101	1.147	1.152	1.178	1.126	1.123	1.156	1.140	2.24	

(#) = Out of Range