

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM102324.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Oct 23 18:21:59 2024
 Response Via : Initial Calibration

Calibration Files

2.5 =BM048200.D 5 =BM048201.D 10 =BM048202.D 20 =BM048203.D 40 =BM048204.D 50 =BM048205.D 60 =BM048206.D 80 =BM048207.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.538	0.529	0.508	0.502	0.451	0.449	0.433	0.487		8.69
3)	Pyridine	1.311	1.326	1.338	1.329	1.248	1.275	1.228	1.294		3.35
4)	n-Nitrosodimet...	0.571	0.549	0.566	0.572	0.535	0.537	0.515	0.549		3.94
5) S	2-Fluorophenol	1.238	1.182	1.198	1.216	1.162	1.185	1.148	1.190		2.59
6)	Aniline	1.385	1.370	1.370	1.385	1.235	1.196	1.063	1.286		9.76
7) S	Phenol-d6	1.555	1.545	1.578	1.594	1.523	1.562	1.490	1.550		2.25
8)	2-Chlorophenol	1.337	1.282	1.302	1.323	1.264	1.295	1.247	1.293		2.44
9)	Benzaldehyde	0.865	0.868	0.830	0.760	0.643	0.602		0.761		15.15
10) C	Phenol	1.544	1.538	1.584	1.600	1.543	1.585	1.519	1.559		1.93
11)	bis(2-Chloroet...	1.238	1.275	1.240	1.281	1.221	1.238	1.199	1.242		2.30
12)	1,3-Dichlorobe...	1.600	1.532	1.516	1.512	1.428	1.452	1.392	1.490		4.75
13) C	1,4-Dichlorobe...	1.638	1.571	1.534	1.517	1.454	1.469	1.415	1.514		5.01
14)	1,2-Dichlorobe...	1.573	1.528	1.497	1.483	1.400	1.410	1.351	1.463		5.39
15)	Benzyl Alcohol	0.902	0.943	1.011	1.045	1.010	1.024	0.985	0.989		5.06
16)	2,2'-oxybis(1-...	1.972	1.875	1.875	1.837	1.751	1.747	1.657	1.816		5.78
17)	2-Methylphenol	0.992	1.032	1.076	1.067	1.030	1.052	1.003	1.036		3.01
18)	Hexachloroethane	0.602	0.565	0.556	0.565	0.532	0.542	0.523	0.555		4.72
19) P	n-Nitroso-di-n...	1.020	1.036	0.993	1.014	1.010	0.945	0.944	0.881	0.980	5.36
20)	3+4-Methylphenols		1.412	1.374	1.453	1.515	1.439	1.461	1.391	1.435	3.31
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.493	0.488	0.505	0.502	0.480	0.487	0.461	0.488		3.01
23) S	Nitrobenzene-d5	0.347	0.348	0.362	0.369	0.353	0.358	0.342	0.354		2.64
24)	Nitrobenzene	0.367	0.363	0.375	0.379	0.365	0.367	0.352	0.367		2.36
25)	Isophorone	0.652	0.638	0.664	0.672	0.642	0.654	0.623	0.649		2.56
26) C	2-Nitrophenol	0.145	0.151	0.169	0.180	0.178	0.183	0.180	0.169		9.13
27)	2,4-Dimethylph...	0.192	0.195	0.210	0.215	0.207	0.213	0.207	0.206		4.34
28)	bis(2-Chloroet...	0.398	0.403	0.422	0.428	0.407	0.415	0.401	0.411		2.77
29) C	2,4-Dichloroph...	0.270	0.279	0.300	0.311	0.301	0.309	0.300	0.296		5.24
30)	1,2,4-Trichlor...	0.350	0.335	0.345	0.344	0.332	0.338	0.327	0.339		2.47
31)	Naphthalene	1.097	1.048	1.065	1.062	1.012	1.031	0.986	1.043		3.52
32)	Benzoic acid	0.189	0.191	0.212	0.248	0.244	0.259	0.258	0.229		13.37
33)	4-Chloroaniline	0.320	0.330	0.367	0.376	0.342	0.336	0.299	0.338		7.83
34) C	Hexachlorobuta...	0.219	0.212	0.215	0.214	0.203	0.207	0.199	0.210		3.32
35)	Caprolactam	0.087	0.089	0.097	0.104	0.097	0.101	0.098	0.096		6.29
36) C	4-Chloro-3-met...	0.291	0.296	0.318	0.324	0.309	0.316	0.307	0.309		3.91
37)	2-Methylnaphth...	0.726	0.694	0.719	0.716	0.678	0.688	0.657	0.697		3.58
38)	1-Methylnaphth...	0.724	0.692	0.707	0.712	0.669	0.686	0.648	0.691		3.76

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.588	0.575	0.572	0.578	0.563	0.571	0.555	0.572	1.87
41) P	Hexachlorocycl...	0.179	0.187	0.195	0.202	0.200	0.201	0.191	0.193	4.41
42) S	2,4,6-Tribromo...	0.241	0.246	0.252	0.259	0.240	0.243	0.233	0.245	3.44
43) C	2,4,6-Trichlor...	0.357	0.369	0.382	0.394	0.381	0.391	0.382	0.379	3.39
44)	2,4,5-Trichlor...	0.411	0.407	0.420	0.441	0.423	0.437	0.423	0.423	2.93
45) S	2-Fluorobiphenyl	1.391	1.358	1.338	1.333	1.258	1.261	1.185	1.303	5.49
46)	1,1'-Biphenyl	1.476	1.458	1.454	1.454	1.396	1.407	1.351	1.428	3.11
47)	2-Chloronaphth...	1.153	1.136	1.139	1.149	1.108	1.124	1.072	1.126	2.51
48)	2-Nitroaniline	0.258	0.279	0.309	0.329	0.319	0.327	0.316	0.305	8.82
49)	Acenaphthylene	1.661	1.634	1.674	1.693	1.613	1.643	1.580	1.643	2.32
50)	Dimethylphthalate	1.451	1.384	1.382	1.396	1.306	1.345	1.293	1.365	4.01
51)	2,6-Dinitrotol...	0.273	0.290	0.312	0.321	0.310	0.317	0.309	0.305	5.61
52) C	Acenaphthene	1.098	1.062	1.058	1.064	1.018	1.023	0.983	1.044	3.65
53)	3-Nitroaniline	0.229	0.265	0.300	0.321	0.305	0.304	0.289	0.287	10.74
54) P	2,4-Dinitrophenol		0.136	0.164	0.188	0.189	0.196	0.195	0.178	13.24
55)	Dibenzofuran	1.766	1.710	1.701	1.702	1.590	1.608	1.529	1.658	5.03
56) P	4-Nitrophenol		0.203	0.245	0.277	0.266	0.275	0.272	0.256	11.11
57)	2,4-Dinitrotol...	0.338	0.371	0.406	0.437	0.417	0.429	0.418	0.402	8.82
58)	Fluorene	1.412	1.361	1.378	1.351	1.248	1.253	1.176	1.311	6.56
59)	2,3,4,6-Tetrac...	0.356	0.353	0.355	0.370	0.337	0.346	0.338	0.351	3.26
60)	Diethylphthalate	1.445	1.389	1.397	1.424	1.340	1.370	1.311	1.382	3.36
61)	4-Chlorophenyl...	0.700	0.687	0.685	0.671	0.623	0.630	0.594	0.656	6.09
62)	4-Nitroaniline	0.213	0.247	0.300	0.339	0.320	0.334	0.328	0.297	16.35
63)	Azobenzene	1.196	1.238	1.287	1.314	1.224	1.236	1.180	1.239	3.83
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.087	0.098	0.116	0.129	0.124	0.129	0.128	0.116	14.66
66) c	n-Nitrosodiphe...	0.549	0.556	0.565	0.570	0.538	0.546	0.521	0.549	3.01
67)	4-Bromophenyl-...	0.205	0.205	0.204	0.208	0.199	0.203	0.195	0.203	2.09
68)	Hexachlorobenzene	0.252	0.249	0.245	0.251	0.236	0.240	0.232	0.244	3.16
69)	Atrazine	0.176	0.172	0.150	0.186	0.111	0.128		0.154	19.35
70) C	Pentachlorophenol	0.145	0.150	0.161	0.172	0.160	0.166	0.164	0.160	5.93
71)	Phenanthrene	1.043	1.012	1.008	1.017	0.953	0.969	0.930	0.990	4.08
72)	Anthracene	0.960	0.952	0.985	0.998	0.944	0.955	0.916	0.959	2.80
73)	Carbazole	0.911	0.923	0.958	0.994	0.927	0.953	0.911	0.940	3.23
74)	Di-n-butylphth...	1.131	1.114	1.164	1.241	1.170	1.208	1.161	1.170	3.68
75) C	Fluoranthene	1.236	1.185	1.210	1.223	1.137	1.162	1.117	1.181	3.80
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.417	0.269	0.107	0.344	0.155	0.101	0.223	0.231	52.15
78)	Pyrene	1.336	1.312	1.332	1.358	1.335	1.370	1.329	1.339	1.42
79) S	Terphenyl-d14	1.013	1.003	1.005	1.009	0.955	0.969	0.907	0.980	3.98
80)	Butylbenzylpht...	0.490	0.502	0.542	0.589	0.583	0.612	0.600	0.560	8.68
81)	Benzo(a)anthra...	1.299	1.258	1.277	1.297	1.264	1.294	1.257	1.278	1.47
82)	3,3'-Dichlorob...	0.432	0.435	0.442	0.473	0.427	0.434	0.422	0.438	3.84
83)	Chrysene	1.273	1.224	1.242	1.244	1.203	1.224	1.177	1.227	2.50
84)	Bis(2-ethylhex...	0.735	0.758	0.813	0.861	0.839	0.866	0.823	0.814	6.15
85) c	Di-n-octyl pht...	1.206	1.220	1.357	1.491	1.485	1.556	1.548	1.409	10.57

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86) I	Perylene-d12	-----ISTD-----									
87)	Indeno(1,2,3-c...	1.293	1.288	1.343	1.373	1.305	1.355	1.300	1.323	2.56	
88)	Benzo(b)fluora...	1.142	1.113	1.179	1.182	1.148	1.142	1.121	1.147	2.27	
89)	Benzo(k)fluora...	1.134	1.146	1.109	1.147	1.054	1.123	1.047	1.109	3.77	
90) C	Benzo(a)pyrene	0.983	0.965	1.007	1.034	0.990	1.018	0.982	0.997	2.40	
91)	Dibenzo(a,h)an...	1.093	1.074	1.122	1.147	1.086	1.118	1.069	1.101	2.58	
92)	Benzo(g,h,i)pe...	1.131	1.099	1.138	1.156	1.111	1.156	1.103	1.128	2.11	

(#) = Out of Range