

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP052721.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Thu May 27 16:11:11 2021
 Response Via : Initial Calibration

Calibration Files

5 =BP005624.D 10 =BP005625.D 20 =BP005626.D 40 =BP005627.D 50 =BP005628.D 60 =BP005629.D 80 =BP005630.D

Compound		5	10	20	40	50	60	80	Avg	%RSD

1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.622	0.603	0.600	0.561	0.584	0.573	0.579	0.589	3.50
3)	Pyridine	1.069	1.366	1.548	1.507	1.573	1.538	1.601	1.457	12.84
4)	n-Nitrosodimet...	0.657	0.606	0.667	0.636	0.657	0.652	0.670	0.649	3.41
5) S	2-Fluorophenol	1.301	1.257	1.320	1.249	1.296	1.272	1.309	1.286	2.11
6)	Aniline	2.077	2.005	2.122	2.006	2.062	1.983	2.095	2.050	2.56
7) S	Phenol-d6	1.753	1.685	1.814	1.731	1.774	1.717	1.800	1.754	2.63
8)	2-Chlorophenol	1.445	1.413	1.481	1.401	1.443	1.421	1.479	1.440	2.18
9)	Benzaldehyde	0.787	0.785	0.808	0.746	0.755	0.730	0.703	0.759	4.81
10) C	Phenol	1.794	1.750	1.863	1.747	1.804	1.753	1.821	1.790	2.42
11)	bis(2-Chloroet...	1.422	1.361	1.457	1.340	1.373	1.335	1.388	1.382	3.21
12)	1,3-Dichlorobe...	1.743	1.642	1.690	1.569	1.603	1.581	1.618	1.635	3.82
13) C	1,4-Dichlorobe...	1.746	1.682	1.691	1.592	1.637	1.605	1.646	1.657	3.22
14)	1,2-Dichlorobe...	1.650	1.599	1.649	1.531	1.565	1.527	1.572	1.585	3.19
15)	Benzyl Alcohol	1.197	1.196	1.291	1.249	1.290	1.259	1.324	1.258	3.85
16)	2,2'-oxybis(1-...	1.660	1.614	1.662	1.546	1.551	1.494	1.550	1.582	4.03
17)	2-Methylphenol	1.177	1.130	1.204	1.146	1.172	1.141	1.190	1.166	2.34
18)	Hexachloroethane	0.610	0.568	0.602	0.568	0.590	0.577	0.600	0.588	2.90
19) P	n-Nitroso-di-n...	1.120	1.095	1.154	1.105	1.118	1.079	1.137	1.115	2.28
20)	3+4-Methylphenols	1.526	1.474	1.629	1.538	1.567	1.511	1.625	1.553	3.72
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.519	0.519	0.536	0.518	0.539	0.534	0.569	0.533	3.39
23) S	Nitrobenzene-d5	0.283	0.304	0.346	0.364	0.391	0.399	0.430	0.360	14.66
24)	Nitrobenzene	0.327	0.354	0.393	0.401	0.427	0.428	0.467	0.399	11.88
25)	Isophorone	0.755	0.754	0.796	0.785	0.814	0.807	0.876	0.798	5.22
26) C	2-Nitrophenol	0.098	0.099	0.121	0.136	0.154	0.162		0.128	21.22
27)	2,4-Dimethylph...	0.286	0.289	0.301	0.300	0.317	0.313	0.340	0.306	6.05
28)	bis(2-Chloroet...	0.418	0.412	0.430	0.419	0.436	0.431	0.461	0.430	3.74
29) C	2,4-Dichloroph...	0.289	0.295	0.324	0.328	0.345	0.347	0.378	0.330	9.43
30)	1,2,4-Trichlor...	0.383	0.378	0.390	0.378	0.391	0.394	0.419	0.390	3.60
31)	Naphthalene	1.193	1.161	1.191	1.157	1.194	1.180	1.262	1.191	2.91
32)	Benzoic acid	0.079	0.092	0.127	0.152	0.170	0.179		0.133	30.78
33)	4-Chloroaniline	0.481	0.474	0.495	0.485	0.504	0.493	0.540	0.496	4.37
34) C	Hexachlorobuta...	0.236	0.237	0.243	0.236	0.246	0.247	0.262	0.244	3.83
35)	Caprolactam	0.076	0.073	0.090	0.096	0.104	0.102		0.090	14.81
36) C	4-Chloro-3-met...	0.309	0.316	0.342	0.343	0.363	0.357	0.398	0.347	8.70
37)	2-Methylnaphth...	0.826	0.820	0.850	0.820	0.850	0.838	0.903	0.844	3.42
38)	1-Methylnaphth...	0.801	0.782	0.801	0.777	0.804	0.790	0.850	0.801	3.03

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.652	0.645	0.655	0.653	0.679	0.673	0.712	0.667	3.49
41) P	Hexachlorocycl...	0.319	0.331	0.357	0.372	0.391	0.400	0.430	0.371	10.55
42) S	2,4,6-Tribromo...	0.209	0.218	0.247	0.259	0.278	0.274	0.311	0.256	13.93
43) C	2,4,6-Trichlor...	0.333	0.356	0.393	0.407	0.429	0.438	0.477	0.405	12.19
44)	2,4,5-Trichlor...	0.363	0.376	0.417	0.443	0.470	0.473	0.522	0.438	12.96
45) S	2-Fluorobiphenyl	1.507	1.489	1.510	1.478	1.515	1.496	1.582	1.511	2.24
46)	1,1'-Biphenyl	1.594	1.602	1.626	1.579	1.634	1.618	1.714	1.624	2.71
47)	2-Chloronaphth...	1.299	1.279	1.315	1.287	1.328	1.322	1.411	1.320	3.32
48)	2-Nitroaniline	0.182	0.189	0.243	0.280	0.319	0.331		0.257	24.69
49)	Acenaphthylene	1.966	1.972	2.046	2.012	2.098	2.080	2.229	2.058	4.41
50)	Dimethylphthalate	1.542	1.534	1.586	1.551	1.623	1.577	1.724	1.591	4.14
51)	2,6-Dinitrotol...	0.187	0.222	0.283	0.313	0.346	0.343	0.387	0.297	24.08
52) C	Acenaphthene	1.304	1.270	1.314	1.305	1.368	1.346	1.456	1.338	4.55
53)	3-Nitroaniline	0.199	0.228	0.294	0.322	0.358	0.357		0.293	22.73
54) P	2,4-Dinitrophenol		0.082	0.102	0.120	0.140	0.145		0.118	22.43
55)	Dibenzofuran	2.056	2.006	2.055	1.990	2.064	2.009	2.172	2.050	2.97
56) P	4-Nitrophenol	0.161	0.191	0.238	0.265	0.298	0.294		0.241	23.08
57)	2,4-Dinitrotol...	0.224	0.264	0.347	0.401	0.447	0.449		0.355	26.68
58)	Fluorene	1.639	1.622	1.645	1.593	1.650	1.604	1.721	1.639	2.55
59)	2,3,4,6-Tetrac...	0.312	0.332	0.370	0.378	0.404	0.403	0.451	0.379	12.33
60)	Diethylphthalate	1.541	1.525	1.586	1.554	1.639	1.580	1.749	1.596	4.81
61)	4-Chlorophenyl...	0.833	0.813	0.825	0.792	0.818	0.797	0.859	0.819	2.75
62)	4-Nitroaniline	0.209	0.242	0.304	0.339	0.378	0.371		0.307	22.58
63)	Azobenzene	1.590	1.608	1.677	1.642	1.717	1.656	1.809	1.671	4.41
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...		0.056	0.078	0.090	0.105	0.112	0.130	0.095	27.53
66) c	n-Nitrosodiphe...	0.641	0.653	0.689	0.665	0.694	0.696	0.732	0.681	4.52
67)	4-Bromophenyl-...	0.234	0.231	0.238	0.235	0.242	0.247	0.260	0.241	4.17
68)	Hexachlorobenzene	0.273	0.275	0.288	0.278	0.291	0.293	0.310	0.287	4.49
69)	Atrazine	0.172	0.180	0.196	0.204	0.201	0.199	0.211	0.195	7.06
70) C	Pentachlorophenol		0.116	0.137	0.146	0.159	0.161		0.144	12.78
71)	Phenanthrene	1.222	1.223	1.263	1.201	1.254	1.238	1.321	1.246	3.14
72)	Anthracene	1.186	1.186	1.234	1.198	1.258	1.238	1.311	1.230	3.69
73)	Carbazole	1.169	1.166	1.230	1.174	1.239	1.202	1.295	1.211	3.90
74)	Di-n-butylphth...	1.147	1.183	1.308	1.284	1.364	1.337	1.453	1.297	8.11
75) C	Fluoranthene	1.452	1.437	1.524	1.448	1.541	1.484	1.584	1.496	3.70
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine		0.284	0.336	0.479	0.419	0.381		0.380	19.73
78)	Pyrene	1.341	1.351	1.422	1.362	1.435	1.451	1.517	1.411	4.53
79) S	Terphenyl-d14	1.064	1.059	1.111	1.039	1.076	1.051	1.060	1.066	2.16
80)	Butylbenzylpht...	0.381	0.411	0.491	0.513	0.556	0.559	0.622	0.505	16.94
81)	Benzo(a)anthra...	1.454	1.413	1.488	1.438	1.480	1.463	1.538	1.468	2.74
82)	3,3'-Dichlorob...	0.427	0.425	0.478	0.485	0.497	0.485	0.522	0.474	7.59
83)	Chrysene	1.403	1.384	1.442	1.384	1.438	1.404	1.494	1.421	2.78
84)	Bis(2-ethylhex...	0.679	0.701	0.794	0.808	0.852	0.840	0.907	0.797	10.28
85) c	Di-n-octyl pht...	1.112	1.132	1.301	1.363	1.447	1.427	1.597	1.340	13.00

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.611	1.612	1.714	1.681	1.749	1.726	1.818	1.702		4.37
88)	Benzo(b)fluora...	1.413	1.383	1.466	1.408	1.455	1.489	1.543	1.451		3.80
89)	Benzo(k)fluora...	1.289	1.345	1.387	1.376	1.412	1.360	1.455	1.375		3.80
90) C	Benzo(a)pyrene	1.250	1.251	1.315	1.301	1.353	1.348	1.423	1.320		4.64
91)	Dibenzo(a,h)an...	1.402	1.412	1.489	1.456	1.518	1.494	1.566	1.477		3.93
92)	Benzo(g,h,i)pe...	1.350	1.351	1.433	1.397	1.452	1.444	1.543	1.424		4.70

(#) = Out of Range