

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP032321.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Mar 24 10:16:52 2021
 Response Via : Initial Calibration

Calibration Files

5 =BP005021.D 10 =BP005022.D 20 =BP005023.D 40 =BP005024.D 50 =BP005025.D 60 =BP005026.D 80 =BP005027.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.601	0.706	0.589	0.525	0.535	0.518	0.486	0.566	13.03
3) Pyridine	1.081	1.582	1.459	1.488	1.455	1.436	1.349	1.407	11.32
4) n-Nitrosodimet...	0.451	0.570	0.525	0.509	0.499	0.496	0.472	0.503	7.58
5) S 2-Fluorophenol	1.252	1.564	1.318	1.281	1.252	1.262	1.167	1.300	9.63
6) Aniline	2.019	2.509	2.137	2.118	2.034	2.021	1.928	2.110	8.98
7) S Phenol-d6	1.720	2.212	1.880	1.869	1.821	1.807	1.721	1.862	8.98
8) 2-Chlorophenol	1.324	1.665	1.386	1.374	1.321	1.306	1.220	1.371	10.25
9) Benzaldehyde		1.314	0.912	0.891	0.840	0.783		0.948	22.19
10) C Phenol	1.840	2.286	1.905	1.919	1.834	1.835	1.735	1.908	9.28
11) bis(2-Chloroet...	1.313	1.740	1.418	1.396	1.338	1.300	1.272	1.397	11.46
12) 1,3-Dichlorobe...	1.476	1.907	1.532	1.520	1.441	1.441	1.344	1.523	11.84
13) C 1,4-Dichlorobe...	1.539	1.899	1.573	1.536	1.448	1.461	1.367	1.546	11.03
14) 1,2-Dichlorobe...	1.460	1.836	1.482	1.459	1.412	1.408	1.324	1.483	11.05
15) Benzyl Alcohol	1.272	1.680	1.435	1.483	1.413	1.414	1.357	1.436	8.81
16) 2,2'-oxybis(1-...	0.988	1.233	1.031	1.034	0.979	0.986	0.921	1.025	9.71
17) 2-Methylphenol	1.125	1.443	1.236	1.232	1.174	1.195	1.119	1.218	9.00
18) Hexachloroethane	0.601	0.717	0.585	0.580	0.562	0.552	0.528	0.589	10.39
19) P n-Nitroso-di-n...	1.087	1.504	1.187	1.240	1.182	1.133	1.121	1.208	11.60
20) 3+4-Methylphenols	1.491	2.028	1.670	1.716	1.584	1.612	1.537	1.663	10.70
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.536	0.687	0.570	0.574	0.555	0.555	0.548	0.575	8.87
23) S Nitrobenzene-d5	0.439	0.528	0.477	0.469	0.452	0.450	0.448	0.466	6.54
24) Nitrobenzene	0.485	0.567	0.504	0.487	0.472	0.467	0.458	0.491	7.45
25) Isophorone	0.773	0.995	0.869	0.869	0.840	0.844	0.832	0.860	7.85
26) C 2-Nitrophenol	0.165	0.206	0.192	0.195	0.190	0.196	0.190	0.191	6.67
27) 2,4-Dimethylph...	0.286	0.348	0.314	0.306	0.304	0.292	0.295	0.306	6.70
28) bis(2-Chloroet...	0.395	0.499	0.440	0.447	0.431	0.425	0.411	0.435	7.57
29) C 2,4-Dichloroph...	0.303	0.396	0.347	0.349	0.335	0.340	0.330	0.343	8.09
30) 1,2,4-Trichlor...	0.373	0.439	0.398	0.383	0.369	0.368	0.365	0.385	6.80
31) Naphthalene	1.074	1.331	1.154	1.122	1.085	1.080	1.063	1.130	8.34
32) Benzoic acid		0.212	0.200	0.240	0.242	0.228	0.242	0.227	7.88
33) 4-Chloroaniline	0.410	0.523	0.466	0.458	0.453	0.445	0.443	0.457	7.48
34) C Hexachlorobuta...	0.239	0.287	0.250	0.251	0.238	0.239	0.231	0.248	7.50
35) Caprolactam	0.094	0.121	0.116	0.115	0.115	0.114	0.112	0.112	7.86
36) C 4-Chloro-3-met...	0.357	0.470	0.433	0.421	0.412	0.403	0.402	0.414	8.29
37) 2-Methylnaphth...	0.766	0.964	0.834	0.822	0.778	0.779	0.767	0.816	8.65
38) 1-Methylnaphth...	0.720	0.884	0.777	0.775	0.739	0.730	0.727	0.765	7.52

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.621	0.777	0.617	0.648	0.629	0.644	0.623	0.651	8.69
41) P	Hexachlorocycl...	0.284	0.390	0.341	0.366	0.367	0.366	0.366	0.354	9.65
42) S	2,4,6-Tribromo...	0.230	0.308	0.252	0.261	0.259	0.257	0.258	0.261	8.97
43) C	2,4,6-Trichlor...	0.390	0.513	0.445	0.458	0.452	0.450	0.443	0.450	7.96
44)	2,4,5-Trichlor...	0.430	0.559	0.475	0.490	0.497	0.491	0.472	0.488	7.92
45) S	2-Fluorobiphenyl	1.415	1.719	1.452	1.465	1.443	1.442	1.414	1.478	7.29
46)	1,1'-Biphenyl	1.442	1.825	1.491	1.510	1.479	1.486	1.445	1.525	8.81
47)	2-Chloronaphth...	1.182	1.457	1.224	1.210	1.217	1.216	1.186	1.242	7.75
48)	2-Nitroaniline	0.303	0.458	0.380	0.407	0.408	0.410	0.403	0.396	11.86
49)	Acenaphthylene	1.774	2.221	1.922	1.926	1.914	1.894	1.866	1.931	7.16
50)	Dimethylphthalate	1.442	1.813	1.539	1.507	1.516	1.496	1.470	1.540	8.08
51)	2,6-Dinitrotol...	0.338	0.416	0.354	0.365	0.366	0.351	0.351	0.363	7.02
52) C	Acenaphthene	1.137	1.376	1.170	1.173	1.175	1.146	1.141	1.188	7.10
53)	3-Nitroaniline	0.279	0.368	0.320	0.349	0.348	0.341	0.334	0.334	8.52
54) P	2,4-Dinitrophenol	0.211	0.199	0.226	0.224	0.227	0.233	0.220		5.68
55)	Dibenzofuran	1.851	2.268	1.924	1.914	1.914	1.899	1.863	1.948	7.39
56) P	4-Nitrophenol	0.195	0.288	0.282	0.288	0.290	0.289	0.286	0.274	12.70
57)	2,4-Dinitrotol...	0.402	0.527	0.470	0.492	0.498	0.486	0.482	0.479	8.06
58)	Fluorene	1.477	1.809	1.535	1.561	1.542	1.539	1.545	1.573	6.84
59)	2,3,4,6-Tetrac...	0.412	0.529	0.425	0.456	0.445	0.442	0.440	0.450	8.38
60)	Diethylphthalate	1.378	1.749	1.485	1.520	1.482	1.473	1.461	1.507	7.64
61)	4-Chlorophenyl...	0.843	0.962	0.816	0.808	0.809	0.808	0.797	0.835	6.94
62)	4-Nitroaniline	0.244	0.376	0.336	0.360	0.368	0.359	0.361	0.343	13.29
63)	Azobenzene	1.597	2.034	1.689	1.714	1.697	1.671	1.654	1.722	8.28
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.104	0.157	0.150	0.158	0.150	0.150	0.153	0.146	12.96
66) c	n-Nitrosodiphe...	0.586	0.732	0.643	0.654	0.629	0.629	0.627	0.643	6.94
67)	4-Bromophenyl-...	0.209	0.268	0.237	0.240	0.225	0.220	0.223	0.232	8.28
68)	Hexachlorobenzene	0.248	0.306	0.260	0.266	0.247	0.249	0.249	0.261	8.09
69)	Atrazine	0.188	0.249	0.215	0.229	0.209	0.204	0.200	0.214	9.48
70) C	Pentachlorophenol	0.141	0.191	0.174	0.176	0.175	0.174	0.172	0.172	8.67
71)	Phenanthrene	1.090	1.346	1.175	1.188	1.108	1.113	1.096	1.159	7.82
72)	Anthracene	1.018	1.312	1.161	1.153	1.097	1.098	1.090	1.133	8.14
73)	Carbazole	0.957	1.217	1.092	1.086	1.039	1.036	1.023	1.064	7.61
74)	Di-n-butylphth...	0.951	1.315	1.157	1.227	1.179	1.177	1.193	1.171	9.44
75) C	Fluoranthene	1.245	1.581	1.412	1.382	1.315	1.322	1.291	1.364	8.11
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.439	0.499	0.344	0.513	0.439	0.429	0.408	0.439	12.89
78)	Pyrene	1.228	1.589	1.370	1.410	1.343	1.386	1.294	1.374	8.20
79) S	Terphenyl-d14	1.005	1.269	1.089	1.126	1.064	1.104	1.034	1.099	7.80
80)	Butylbenzylpht...	0.386	0.545	0.511	0.550	0.528	0.538	0.511	0.510	11.10
81)	Benzo(a)anthra...	1.248	1.599	1.395	1.371	1.325	1.328	1.246	1.359	8.82
82)	3,3'-Dichlorob...	0.388	0.521	0.458	0.480	0.459	0.462	0.429	0.457	9.06
83)	Chrysene	1.246	1.549	1.365	1.348	1.295	1.306	1.226	1.334	8.05
84)	Bis(2-ethylhex...	0.574	0.795	0.735	0.807	0.773	0.786	0.763	0.748	10.71
85) c	Di-n-octyl pht...	0.984	1.379	1.253	1.337	1.295	1.305	1.272	1.261	10.22

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.338	1.746	1.528	1.516	1.476	1.468	1.426	1.500	8.39	
88)	Benzo(b)fluora...	1.287	1.649	1.421	1.431	1.369	1.421	1.365	1.420	7.92	
89)	Benzo(k)fluora...	1.274	1.604	1.381	1.392	1.355	1.269	1.252	1.361	8.91	
90) C	Benzo(a)pyrene	1.155	1.504	1.273	1.293	1.251	1.232	1.207	1.273	8.73	
91)	Dibenzo(a,h)an...	1.146	1.507	1.311	1.315	1.278	1.275	1.245	1.297	8.39	
92)	Benzo(g,h,i)pe...	1.117	1.462	1.268	1.272	1.238	1.212	1.190	1.251	8.56	

(#) = Out of Range