

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP042121.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Apr 21 17:40:15 2021
 Response Via : Initial Calibration

Calibration Files

5 =BP005356.D 10 =BP005357.D 20 =BP005358.D 40 =BP005359.D 50 =BP005360.D 60 =BP005361.D 80 =BP005362.D

Compound	5	10	20	40	50	60	80	Avg	%RSD

1) I 1,4-Dichlorobenzen...	-----ISTD-----								
2) 1,4-Dioxane	0.583	0.633	0.661	0.627	0.589	0.603	0.598	0.614	4.58
3) Pyridine	0.951	1.293	1.596	1.402	1.430	1.305	1.344	1.332	14.75
4) n-Nitrosodimet...	0.596	0.632	0.734	0.675	0.695	0.713	0.761	0.686	8.41
5) S 2-Fluorophenol	1.022	1.182	1.262	1.150	1.119	1.131	1.193	1.151	6.46
6) Aniline	1.480	1.762	1.885	1.747	1.692	1.703	1.780	1.721	7.19
7) S Phenol-d6	1.410	1.594	1.711	1.584	1.548	1.590	1.668	1.586	6.03
8) 2-Chlorophenol	1.130	1.213	1.281	1.158	1.125	1.156	1.189	1.179	4.64
9) Benzaldehyde	0.976	1.042	1.125	0.946	0.829	0.813	0.764	0.928	14.20
10) C Phenol	1.371	1.611	1.732	1.588	1.534	1.576	1.663	1.582	7.15
11) bis(2-Chloroet...	1.072	1.160	1.230	1.148	1.094	1.123	1.158	1.141	4.52
12) 1,3-Dichlorobe...	1.414	1.487	1.571	1.406	1.353	1.360	1.387	1.425	5.47
13) C 1,4-Dichlorobe...	1.427	1.526	1.613	1.421	1.377	1.391	1.421	1.454	5.84
14) 1,2-Dichlorobe...	1.375	1.459	1.505	1.368	1.309	1.340	1.375	1.390	4.91
15) Benzyl Alcohol	1.037	1.088	1.294	1.292	1.308	1.369	1.466	1.265	11.98
16) 2,2'-oxybis(1-...	0.894	0.994	1.024	0.953	0.924	0.946	0.967	0.957	4.51
17) 2-Methylphenol	0.882	0.977	1.044	1.025	0.979	1.003	1.055	0.995	5.83
18) Hexachloroethane	0.479	0.581	0.599	0.559	0.542	0.555	0.575	0.556	6.93
19) P n-Nitroso-di-n...	0.750	0.914	1.076	1.085	1.064	1.122	1.199	1.030	14.58
20) 3+4-Methylphenols	1.130	1.308	1.454	1.368	1.310	1.355	1.427	1.336	7.95
21) I Naphthalene-d8	-----ISTD-----								
22) Acetophenone	0.507	0.557	0.606	0.590	0.562	0.565	0.630	0.574	6.91
23) S Nitrobenzene-d5	0.342	0.414	0.491	0.507	0.496	0.508		0.460	14.65
24) Nitrobenzene	0.366	0.452	0.522	0.529	0.514	0.526	0.571	0.497	13.61
25) Isophorone	0.556	0.720	0.829	0.864	0.827	0.850	0.947	0.799	15.80
26) C 2-Nitrophenol	0.121	0.142	0.172	0.174	0.172	0.179		0.160	14.53
27) 2,4-Dimethylph...	0.225	0.254	0.285	0.281	0.271	0.273	0.301	0.270	9.09
28) bis(2-Chloroet...	0.322	0.363	0.407	0.401	0.380	0.389	0.428	0.384	8.93
29) C 2,4-Dichloroph...	0.292	0.335	0.374	0.371	0.360	0.367	0.400	0.357	9.71
30) 1,2,4-Trichlor...	0.442	0.472	0.494	0.475	0.452	0.454	0.495	0.469	4.41
31) Naphthalene	1.006	1.060	1.101	1.071	1.018	1.023	1.109	1.055	3.92
32) Benzoic acid		0.113	0.147	0.182	0.187	0.199	0.225	0.176	22.65
33) 4-Chloroaniline	0.318	0.393	0.422	0.419	0.401	0.405	0.444	0.400	9.98
34) C Hexachlorobuta...	0.381	0.415	0.435	0.428	0.404	0.410	0.441	0.416	4.92
35) Caprolactam		0.075	0.094	0.104	0.101	0.106	0.118	0.100	14.51
36) C 4-Chloro-3-met...	0.293	0.353	0.398	0.411	0.391	0.404	0.447	0.385	12.75
37) 2-Methylnaphth...	0.658	0.760	0.811	0.799	0.765	0.770	0.846	0.773	7.63
38) 1-Methylnaphth...	0.661	0.718	0.783	0.755	0.719	0.733	0.799	0.738	6.21

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.823	0.879	0.921	0.905	0.826	0.841	0.899	0.871	4.62
41) P	Hexachlorocycl...	0.158	0.245	0.318	0.333	0.357		0.282		28.72
42) S	2,4,6-Tribromo...	0.307	0.345	0.393	0.410	0.386	0.397	0.440	0.383	11.41
43) C	2,4,6-Trichlor...	0.366	0.431	0.493	0.513	0.478	0.489	0.531	0.472	11.88
44)	2,4,5-Trichlor...	0.383	0.485	0.553	0.548	0.527	0.527	0.582	0.515	12.72
45) S	2-Fluorobiphenyl	1.389	1.548	1.603	1.609	1.486	1.513	1.666	1.545	5.95
46)	1,1'-Biphenyl	1.332	1.435	1.480	1.485	1.369	1.379	1.485	1.423	4.47
47)	2-Chloronaphth...	1.078	1.183	1.223	1.226	1.136	1.134	1.224	1.172	4.92
48)	2-Nitroaniline	0.173	0.229	0.303	0.368	0.366	0.380	0.433	0.322	28.62
49)	Acenaphthylene	1.379	1.663	1.808	1.833	1.667	1.689	1.834	1.696	9.41
50)	Dimethylphthalate	1.184	1.409	1.540	1.543	1.433	1.463	1.591	1.452	9.31
51)	2,6-Dinitrotol...	0.221	0.295	0.335	0.351	0.322	0.330	0.361	0.317	14.93
52) C	Acenaphthene	0.985	1.076	1.105	1.123	1.025	1.050	1.129	1.070	5.00
53)	3-Nitroaniline	0.182	0.226	0.264	0.299	0.275	0.282	0.304	0.262	16.60
54) P	2,4-Dinitrophenol	0.106	0.157	0.194	0.190	0.205	0.230	0.180		24.17
55)	Dibenzofuran	1.747	1.928	1.997	2.002	1.843	1.868	2.032	1.917	5.39
56) P	4-Nitrophenol	0.146	0.197	0.222	0.215	0.223	0.247	0.208		16.65
57)	2,4-Dinitrotol...	0.292	0.383	0.455	0.494	0.466	0.482	0.528	0.443	18.08
58)	Fluorene	1.341	1.480	1.587	1.610	1.495	1.539	1.715	1.538	7.64
59)	2,3,4,6-Tetrac...	0.437	0.501	0.542	0.586	0.538	0.553	0.594	0.536	10.01
60)	Diethylphthalate	1.050	1.280	1.432	1.474	1.381	1.424	1.548	1.370	11.92
61)	4-Chlorophenyl...	0.869	0.951	1.014	1.032	0.962	0.987	1.093	0.987	7.16
62)	4-Nitroaniline	0.138	0.182	0.258	0.286	0.272	0.279	0.305	0.246	25.14
63)	Azobenzene	1.131	1.458	1.671	1.765	1.643	1.680	1.828	1.597	14.74
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.100	0.119	0.139	0.134	0.141	0.156	0.131		14.73
66) c	n-Nitrosodiphe...	0.462	0.534	0.576	0.572	0.542	0.547	0.594	0.547	7.90
67)	4-Bromophenyl-...	0.232	0.262	0.286	0.284	0.275	0.275	0.299	0.273	7.94
68)	Hexachlorobenzene	0.299	0.323	0.336	0.325	0.309	0.312	0.339	0.320	4.55
69)	Atrazine	0.170	0.208	0.238	0.251	0.238	0.239	0.254	0.228	12.95
70) C	Pentachlorophenol	0.139	0.161	0.178	0.175	0.180	0.201	0.172		12.02
71)	Phenanthrene	0.964	1.063	1.123	1.090	1.032	1.048	1.141	1.066	5.61
72)	Anthracene	0.889	1.009	1.086	1.075	1.030	1.039	1.140	1.038	7.58
73)	Carbazole	0.781	0.911	0.980	0.973	0.931	0.940	1.023	0.934	8.23
74)	Di-n-butylphth...	0.584	0.741	0.887	0.952	0.939	0.980	1.092	0.882	19.12
75) C	Fluoranthene	1.206	1.408	1.521	1.524	1.464	1.488	1.633	1.463	9.07
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.279	0.308	0.317	0.342	0.317	0.318	0.332	0.316	6.28
78)	Pyrene	0.967	1.096	1.212	1.142	1.107	1.111	1.215	1.121	7.46
79) S	Terphenyl-d14	0.926	1.023	1.109	1.091	1.077	1.098	1.231	1.079	8.54
80)	Butylbenzylpht...	0.192	0.227	0.270	0.273	0.280	0.285	0.255		14.50
81)	Benzo(a)anthra...	1.117	1.273	1.358	1.303	1.276	1.294	1.388	1.287	6.72
82)	3,3'-Dichlorob...	0.307	0.367	0.418	0.418	0.414	0.422	0.454	0.400	12.13
83)	Chrysene	1.209	1.274	1.347	1.282	1.248	1.260	1.354	1.282	4.09
84)	Bis(2-ethylhex...	0.277	0.331	0.401	0.430	0.442	0.467	0.391		18.63
85) c	Di-n-octyl pht...	0.616	0.733	0.757	0.771	0.796	0.888	0.760		11.66

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86) I	Perylene-d12													
87)	Indeno(1,2,3-c...	1.390	1.477	1.567	1.550	1.503	1.539	1.670	1.528				5.64	
88)	Benzo(b)fluora...	1.148	1.259	1.387	1.350	1.293	1.346	1.434	1.317				7.14	
89)	Benzo(k)fluora...	1.176	1.249	1.351	1.333	1.281	1.262	1.397	1.293				5.68	
90) C	Benzo(a)pyrene	1.062	1.163	1.255	1.229	1.191	1.203	1.302	1.201				6.34	
91)	Dibenzo(a,h)an...	1.201	1.268	1.343	1.335	1.301	1.343	1.472	1.323				6.29	
92)	Benzo(g,h,i)pe...	1.152	1.219	1.287	1.257	1.216	1.233	1.313	1.239				4.23	

(#) = Out of Range