

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
 Method File : 8270-BF120520.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Dec 07 12:08:49 2020
 Response Via : Initial Calibration

Calibration Files

5 =BF122557.D 10 =BF122558.D 20 =BF122559.D 40 =BF122560.D 50 =BF122561.D 60 =BF122562.D 80 =BF122563.D

	Compound	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----								
2)	1,4-Dioxane	0.606	0.691	0.595	0.597	0.573	0.581	0.514	0.594	8.88
3)	Pyridine	1.504	1.783	1.592	1.622	1.540	1.572	1.373	1.569	7.91
4)	n-Nitrosodimet...	0.604	0.714	0.630	0.647	0.627	0.626	0.557	0.629	7.47
5) S	2-Fluorophenol	1.334	1.541	1.323	1.268	1.186	1.169	1.023	1.263	12.86
6)	Aniline	2.047	2.347	2.019	2.015	1.890	1.888	1.599	1.972	11.40
7) S	Phenol-d6	1.822	2.042	1.731	1.686	1.557	1.557	1.332	1.675	13.46
8)	2-Chlorophenol	1.453	1.689	1.446	1.409	1.313	1.311	1.126	1.392	12.40
9)	Benzaldehyde	1.102	1.249	1.032	0.900	0.789			1.014	17.56
10) C	Phenol	1.880	2.128	1.846	1.732	1.613	1.592	1.361	1.736	14.16
11)	bis(2-Chloroet...	1.356	1.584	1.364	1.342	1.264	1.281	1.094	1.326	11.04
12)	1,3-Dichlorobe...	1.758	1.999	1.718	1.655	1.548	1.545	1.310	1.648	12.99
13) C	1,4-Dichlorobe...	1.799	2.034	1.729	1.659	1.545	1.545	1.318	1.661	13.62
14)	1,2-Dichlorobe...	1.690	1.930	1.645	1.535	1.422	1.400		1.604	12.31
15)	Benzyl Alcohol	1.097	1.376	1.220	1.196	1.116	1.128	0.941	1.154	11.54
16)	2,2'-oxybis(1-...	1.992	2.268	1.948	1.917	1.780	1.806	1.529	1.891	11.95
17)	2-Methylphenol	1.113	1.288	1.138	1.146	1.063	1.076	0.923	1.107	9.91
18)	Hexachloroethane	0.605	0.709	0.605	0.599	0.571	0.566	0.489	0.592	11.08
19) P	n-Nitroso-di-n...	1.007	1.168	0.996	0.968	0.904	0.907	0.768	0.960	12.73
20)	3+4-Methylphenols		1.706	1.440	1.373	1.243	1.228		1.398	13.85
21) I	Naphthalene-d8	-----ISTD-----								
22)	Acetophenone	0.538	0.584	0.517	0.494	0.474	0.473	0.402	0.497	11.55
23) S	Nitrobenzene-d5	0.403	0.448	0.409	0.406	0.394	0.393	0.342	0.399	7.81
24)	Nitrobenzene	0.396	0.449	0.405	0.400	0.396	0.392	0.343	0.397	7.77
25)	Isophorone	0.691	0.768	0.691	0.700	0.678	0.690	0.595	0.688	7.32
26) C	2-Nitrophenol	0.171	0.207	0.195	0.202	0.201	0.203	0.177	0.194	7.22
27)	2,4-Dimethylph...	0.277	0.320	0.285	0.289	0.284	0.286	0.246	0.284	7.68
28)	bis(2-Chloroet...	0.478	0.535	0.482	0.476	0.462	0.463	0.401	0.471	8.40
29) C	2,4-Dichloroph...	0.330	0.378	0.337	0.338	0.329	0.329	0.280	0.332	8.56
30)	1,2,4-Trichlor...	0.395	0.430	0.387	0.377	0.363	0.365	0.312	0.376	9.62
31)	Naphthalene	1.177	1.285	1.152	1.107	1.059	1.053	0.893	1.104	11.06
32)	Benzoic acid		0.187	0.201	0.247	0.246	0.250	0.226	0.226	11.84
33)	4-Chloroaniline	0.483	0.527	0.471	0.468	0.447	0.450	0.384	0.461	9.33
34) C	Hexachlorobuta...	0.235	0.265	0.239	0.233	0.225	0.226	0.196	0.231	8.84
35)	Caprolactam	0.098	0.110	0.098	0.102	0.101	0.102	0.087	0.100	6.91
36) C	4-Chloro-3-met...	0.322	0.365	0.331	0.335	0.325	0.327	0.281	0.327	7.63
37)	2-Methylnaphth...	0.776	0.865	0.763	0.731	0.698	0.693	0.584	0.730	11.89
38)	1-Methylnaphth...	0.737	0.817	0.715	0.689	0.660	0.659	0.557	0.691	11.63

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39) I	Acenaphthene-d10	-----ISTD-----								
40)	1,2,4,5-Tetrac...	0.666	0.771	0.688	0.672	0.640	0.646	0.555	0.662	9.74
41) P	Hexachlorocycl...	0.245	0.264	0.315	0.313	0.329	0.291	0.293		11.11
42) S	2,4,6-Tribromo...	0.260	0.300	0.266	0.270	0.255	0.262	0.219	0.262	9.14
43) C	2,4,6-Trichlor...	0.434	0.514	0.459	0.473	0.454	0.471	0.397	0.458	7.94
44)	2,4,5-Trichlor...	0.472	0.536	0.483	0.482	0.455	0.468	0.414	0.473	7.70
45) S	2-Fluorobiphenyl	1.637	1.787	1.512	1.392	1.276	1.268		1.479	13.98
46)	1,1'-Biphenyl	1.760	1.998	1.728	1.664	1.560	1.575	1.333	1.660	12.37
47)	2-Chloronaphth...	1.446	1.615	1.419	1.379	1.308	1.321	1.138	1.375	10.61
48)	2-Nitroaniline	0.365	0.444	0.405	0.420	0.401	0.411	0.361	0.401	7.35
49)	Acenaphthylene	2.141	2.424	2.077	2.038	1.932	1.957	1.650	2.031	11.52
50)	Dimethylphthalate	1.657	1.846	1.616	1.612	1.539	1.569	1.340	1.597	9.44
51)	2,6-Dinitrotol...	0.318	0.373	0.339	0.351	0.337	0.347	0.297	0.337	7.19
52) C	Acenaphthene	1.355	1.548	1.343	1.337	1.248	1.279	1.089	1.314	10.48
53)	3-Nitroaniline	0.368	0.438	0.395	0.407	0.382	0.399	0.338	0.390	8.08
54) P	2,4-Dinitrophenol	0.127	0.146	0.179	0.179	0.190	0.168	0.165		14.32
55)	Dibenzofuran	1.972	2.226	1.915	1.849	1.740	1.752	1.487	1.849	12.37
56) P	4-Nitrophenol	0.239	0.299	0.278	0.298	0.286	0.294	0.252	0.278	8.57
57)	2,4-Dinitrotol...	0.417	0.512	0.458	0.471	0.447	0.451	0.389	0.449	8.73
58)	Fluorene	1.582	1.752	1.491	1.396	1.297	1.305		1.470	12.00
59)	2,3,4,6-Tetrac...	0.400	0.483	0.413	0.430	0.406	0.415	0.361	0.415	8.84
60)	Diethylphthalate	1.631	1.838	1.593	1.570	1.479	1.487	1.277	1.554	10.99
61)	4-Chlorophenyl...	0.798	0.889	0.770	0.713	0.664	0.666	0.568	0.724	14.50
62)	4-Nitroaniline	0.381	0.450	0.402	0.409	0.387	0.403	0.338	0.396	8.56
63)	Azobenzene	1.459	1.679	1.459	1.452	1.375	1.386	1.186	1.428	10.25
64) I	Phenanthrene-d10	-----ISTD-----								
65)	4,6-Dinitro-2-...	0.107	0.113	0.131	0.129	0.133	0.118	0.122		8.91
66) c	n-Nitrosodiphe...	0.737	0.828	0.727	0.714	0.671	0.677	0.592	0.707	10.22
67)	4-Bromophenyl-...	0.270	0.308	0.279	0.276	0.262	0.269	0.233	0.271	8.20
68)	Hexachlorobenzene	0.307	0.347	0.305	0.303	0.287	0.295	0.253	0.300	9.25
69)	Atrazine	0.238	0.268	0.240	0.231	0.221	0.220	0.188	0.229	10.58
70) C	Pentachlorophenol	0.120	0.161	0.161	0.176	0.168	0.174	0.151	0.159	11.91
71)	Phenanthrene	1.288	1.447	1.231	1.179	1.104	1.109	0.961	1.189	13.02
72)	Anthracene	1.267	1.424	1.236	1.177	1.095	1.109	0.942	1.179	12.93
73)	Carbazole	1.134	1.282	1.114	1.076	1.003	1.012	0.862	1.069	12.21
74)	Di-n-butylphth...	1.439	1.643	1.403	1.342	1.252	1.253	1.070	1.343	13.37
75) C	Fluoranthene	1.374	1.532	1.307	1.252	1.155	1.138	0.967	1.246	14.65
76) I	Chrysene-d12	-----ISTD-----								
77)	Benzidine	0.483	0.470	0.491	0.411	0.418	0.323	0.433		14.65
78)	Pyrene	1.533	1.719	1.560	1.567	1.516	1.553	1.377	1.546	6.49
79) S	Terphenyl-d14	1.240	1.353	1.187	1.101	1.058	1.093	0.966	1.143	11.21
80)	Butylbenzylpht...	0.670	0.764	0.700	0.714	0.686	0.717	0.626	0.697	6.16
81)	Benzo(a)anthra...	1.399	1.580	1.388	1.330	1.263	1.282	1.114	1.337	10.74
82)	3,3'-Dichlorob...	0.489	0.569	0.503	0.486	0.461	0.461	0.382	0.479	11.70
83)	Chrysene	1.382	1.579	1.365	1.330	1.262	1.284	1.110	1.330	10.68
84)	Bis(2-ethylhex...	0.989	1.103	0.988	0.943	0.904	0.940	0.809	0.954	9.40
85) c	Di-n-octyl pht...	1.635	1.851	1.655	1.571	1.502	1.529	1.332	1.582	10.08

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86) I	Perylene-d12										
87)	Indeno(1,2,3-c...	1.255	1.463	1.263	1.290	1.304	1.348	1.267	1.313	5.59	
88)	Benzo(b)fluora...	1.369	1.531	1.443	1.477	1.372	1.425	1.205	1.403	7.44	
89)	Benzo(k)fluora...	1.304	1.570	1.261	1.268	1.234	1.244	1.101	1.283	11.06	
90) C	Benzo(a)pyrene	1.228	1.395	1.236	1.244	1.203	1.220	1.067	1.228	7.78	
91)	Dibenzo(a,h)an...	1.045	1.221	1.048	1.054	1.052	1.097	1.006	1.074	6.48	
92)	Benzo(g,h,i)pe...	0.984	1.133	0.985	1.004	1.045	1.091	1.038	1.040	5.37	

(#) = Out of Range