Method Path : Z:\HPCHEM1\BNA F\METHODS\
Method File : 8270-BF011415.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Jan 14 23:27:58 2015
Response Via : Initial Calibration

Calibration Files
2.5 =BF076855.D 10 =BF076856.D 25 =BF076857.D
40 =BF076858.D 50 =BF076859.D 60 =BF076860.D

		Compound	2.5	10	25	40	50	60	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.635	0.472	0.477	0.493	0.533	0.517	0.521	10.56
3)		Pyridine		1.114	1.502	1.621	1.314	1.224	1.348	13.71
4)		n-Nitrosodimethyl		0.667	0.758	0.672	0.596	0.663	0.668	7.85
5)	S	2-Fluorophenol	1.013	1.154	1.249	1.278	1.233	1.282	1.216	8.42
6)		Aniline	1.924	1.981	2.124	2.264	2.127	2.231	2.124	6.07
7)	S	Phenol-d6	1.289	1.440	1.643	1.612	1.541	1.600	1.535	8.33
8)		2-Chlorophenol	1.209	1.341	1.443	1.492	1.401	1.473	1.402	7.04
9)		Benzaldehyde	1.025	1.029	1.050	0.783	0.845	0.814	0.894	15.43
10)	C	Phenol	1.348	1.509	1.694	1.780	1.658	1.689	1.629	9.19
11)		bis(2-Chloroethyl	1.164	1.201	1.290	1.315	1.319	1.316	1.275	5.10
12)		1,3-Dichlorobenze	1.465	1.545	1.633	1.642	1.595	1.638	1.595	4.28
13)	C	1,4-Dichlorobenze	1.626	1.684	1.728	1.733	1.639	1.729	1.692	2.60
14)		1,2-Dichlorobenze	1.334	1.509	1.590	1.639	1.556	1.651	1.559	7.13
15)		Benzyl Alcohol	0.901	1.149	1.305	1.337	1.297	1.350	1.242	13.36
16)		2,2'-oxybis(1-Chl	1.670	1.679	1.728	1.776	1.714	1.749	1.714	2.31
17)		2-Methylphenol	0.978	1.054	1.184	1.229	1.190	1.212	1.146	8.14
18)		Hexachloroethane	0.484	0.565	0.606	0.620	0.619	0.621	0.588	8.51
19)	P	n-Nitroso-di-n-pr	0.954	0.991	1.073	1.146	1.109	1.141	1.074	6.93
20)		3+4-Methylphenols	1.402	1.391	1.540	1.593	1.553	1.583	1.517	5.58
21)	I	Naphthalene-d8	----------	ISTD	----------					
22)		Acetophenone	0.440	0.486	0.497	0.522	0.486	0.488	0.490	5.26
23)	S	Nitrobenzene-d5	0.313	0.344	0.369	0.387	0.362	0.368	0.361	7.04
24)		Nitrobenzene	0.299	0.360	0.378	0.400	0.374	0.373	0.368	9.00
25)		Isophorone	0.606	0.624	0.662	0.707	0.664	0.667	0.657	5.05
26)	C	2-Nitrophenol	0.106	0.171	0.172	0.196	0.181	0.185	0.172	17.84
27)		2,4-Dimethylpheno	0.228	0.274	0.283	0.312	0.296	0.301	0.284	9.81
28)		bis(2-Chloroethox	0.324	0.359	0.378	0.411	0.387	0.375	0.374	7.24
29)	C	2,4-Dichloropheno	0.198	0.248	0.269	0.290	0.276	0.279	0.265	12.53
30)		1,2,4-Trichlorobe	0.245	0.280	0.298	0.325	0.295	0.300	0.294	8.85
31)		Naphthalene	0.970	0.994	1.032	1.106	1.025	1.019	1.030	4.33
32)		Benzoic acid		0.122	0.170	0.171	0.162	0.157	0.158	11.51
33)		4-Chloroaniline	0.370	0.406	0.431	0.444	0.416	0.417	0.416	5.75
34)	C	Hexachlorobutadie	0.161	0.178	0.174	0.189	0.175	0.170	0.175	4.86
35)		Caprolactam		0.066	0.078	0.088	0.080	0.077	0.078	9.16
36)	C	4-Chloro-3-methyl	0.260	0.269	0.309	0.326	0.315	0.320	0.303	8.94
37)		2-Methylnaphthale	0.619	0.702	0.706	0.743	0.729	0.702	0.703	5.70
38)	I	Acenaphthene-d10	----------	ISTD	----------					
39)		1,2,4,5-Tetrachlo	0.499	0.473	0.506	0.507	0.489	0.489	0.494	2.44
40)	P	Hexachlorocyclope	0.027	0.159	0.197	0.249	0.253	0.258	0.202	43.03
41)	S	2,4,6-Tribromophe	0.125	0.159	0.167	0.176	0.168	0.172	0.162	10.74
42)	C	2,4,6-Trichloroph	0.300	0.348	0.365	0.390	0.367	0.377	0.360	8.23
43)		2,4,5-Trichloroph	0.261	0.359	0.383	0.396	0.388	0.388	0.367	13.19
44)	S	2-Fluorobiphenyl	1.269	1.342	1.321	1.374	1.293	1.284	1.314	2.74
45)		1,1'-Biphenyl	1.309	1.483	1.508	1.581	1.482	1.474	1.483	5.79
46)		2-Chloronaphthale	1.154	1.198	1.243	1.260	1.225	1.196	1.220	3.26
47)		2-Nitroaniline	0.253	0.352	0.379	0.403	0.397	0.395	0.370	14.91
48)		Acenaphthylene	1.855	1.993	2.067	2.170	2.075	2.079	2.058	5.27
49)		Dimethylphthalate	1.360	1.379	1.420	1.464	1.434	1.432	1.418	2.57
50)		2,6-Dinitrotoluen	0.208	0.255	0.285	0.314	0.306	0.304	0.283	13.89
51)	C	Acenaphthene	1.107	1.119	1.197	1.219	1.173	1.155	1.168	3.67

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		Compound	2.5	10	25	40	50	60	Avg	%RSD
52)		3-Nitroaniline	0.228	0.311	0.354	0.377	0.359	0.359	0.339	16.07
53)	P	2,4-Dinitrophenol		0.021	0.071	0.107	0.114	0.121	0.095	44.73
54)		Dibenzofuran	1.580	1.716	1.731	1.763	1.707	1.669	1.701	3.57
55)	P	4-Nitrophenol		0.182	0.198	0.240	0.229	0.234	0.222	12.11
56)		2,4-Dinitrotoluen	0.237	0.350	0.392	0.428	0.418	0.419	0.384	18.52
57)		Fluorene	1.361	1.397	1.446	1.493	1.434	1.459	1.441	3.44
58)		2,3,4,6-Tetrachlo	0.204	0.253	0.263	0.289	0.284	0.290	0.268	11.80
59)		Diethylphthalate	1.299	1.455	1.456	1.499	1.457	1.413	1.433	4.48
60)		4-Chlorophenyl-ph	0.583	0.581	0.583	0.610	0.586	0.588	0.590	1.71
61)		4-Nitroaniline	0.197	0.323	0.344	0.363	0.340	0.363	0.328	18.19
62)		Azobenzene	1.454	1.460	1.507	1.561	1.516	1.464	1.494	2.55
63)	I	Phenanthrene-d10	----------ISTD----------							
64)		4,6-Dinitro-2-met	0.015	0.074	0.110	0.132	0.133	0.131	0.104	43.05
65)	c	n-Nitrosodiphenyl	0.675	0.700	0.719	0.772	0.698	0.710	0.713	4.22
66)		4-Bromophenyl-phe	0.179	0.202	0.198	0.222	0.204	0.208	0.203	6.34
67)		Hexachlorobenzene	0.203	0.214	0.207	0.224	0.215	0.214	0.214	3.30
68)		Atrazine	0.177	0.218	0.231	0.247	0.217	0.219	0.216	9.97
69)	C	Pentachlorophenol		0.044	0.070	0.091	0.092	0.095	0.082	25.39
70)		Phenanthrene	1.211	1.261	1.288	1.306	1.226	1.250	1.247	3.35
71)		Anthracene	1.081	1.202	1.255	1.269	1.240	1.231	1.216	5.20
72)		Carbazole	1.047	1.139	1.252	1.258	1.142	1.164	1.180	6.75
73)		Di-n-butylphthala	1.126	1.387	1.435	1.478	1.418	1.374	1.365	8.40
74)	C	Fluoranthene	1.175	1.269	1.313	1.382	1.239	1.299	1.278	5.05
75)	I	Chrysene-d12	----------ISTD----------							
76)		Benzidine	0.649	0.603	0.744	0.639	0.648	0.637	0.640	8.74
77)		Pyrene	1.283	1.416	1.373	1.504	1.325	1.349	1.371	5.23
78)	S	Terphenyl-d14	0.816	0.902	0.858	0.937	0.858	0.849	0.869	4.50
79)		Butylbenzylphthal	0.509	0.620	0.612	0.706	0.645	0.620	0.621	9.43
80)		Benzo(a)anthracen	1.168	1.296	1.249	1.361	1.222	1.212	1.255	5.00
81)		3,3'-Dichlorobenz	0.337	0.430	0.411	0.431	0.400	0.407	0.399	8.30
82)		Chrysene	0.997	1.208	1.137	1.246	1.141	1.102	1.144	7.07
83)		Bis(2-ethylhexyl)	0.704	0.931	0.868	0.927	0.888	0.852	0.859	8.89
84)	c	Di-n-octyl phthal	1.183	1.625	1.497	1.640	1.496	1.532	1.491	10.16
85)		Indeno(1,2,3-cd)p	0.969	1.211	1.256	1.331	1.184	1.217	1.213	9.98
86)	I	Perylene-d12	----------ISTD----------							
87)		Benzo(b)fluoranth	1.152	1.228	1.356	1.287	1.443	1.493	1.347	9.66
88)		Benzo(k)fluoranth	1.119	1.214	1.216	1.344	1.075	1.057	1.177	8.50
89)	C	Benzo(a)pyrene	1.086	1.156	1.195	1.257	1.167	1.214	1.188	4.88
90)		Dibenzo(a,h)anthr	0.926	1.000	1.096	1.160	1.086	1.166	1.090	8.94
91)		Benzo(g,h,i)peryl	0.896	1.018	1.122	1.153	1.087	1.110	1.084	9.23

(#) = Out of Range ### Number of calibration levels exceeded format ###