Method Path : Z:\HPCHEM1\BNA F\METHODS\
Method File : 8270-BF080615.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Aug 06 16:51:53 2015
Response Via : Initial Calibration

Calibration Files
2.5 =BF080883.D 10 =BF080891.D 25 =BF080890.D
40 =BF080886.D 50 =BF080887.D 60 =BF080888.D

		Compound	2.5	10	25	40	50	60	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.593	0.589	0.637	0.616	0.622	0.585	0.608	3.22
3)		Pyridine	1.230	1.717	1.875	1.876	1.898	1.761	1.714	13.64
4)		n-Nitrosodimethyl	0.732	0.775	0.928	0.930	0.958	0.916	0.884	10.34
5)	S	2-Fluorophenol	1.286	1.263	1.303	1.306	1.320	1.171	1.255	5.85
6)		Aniline	2.682	2.651	2.537	2.548	2.670	2.452	2.562	4.39
7)	S	Phenol-d6	1.789	1.824	1.699	1.762	1.684	1.623	1.727	3.97
8)		2-Chlorophenol	1.397	1.447	1.506	1.494	1.428	1.333	1.425	4.47
9)		Benzaldehyde	1.246	1.257	1.278	1.190	1.176	1.084	1.190	6.44
10)	C	Phenol	2.234	2.232	1.950	2.187	1.886	1.843	2.072	8.30
11)		bis(2-Chloroethyl	1.424	1.328	1.685	1.378	1.411	1.462	1.467	8.48
12)		1,3-Dichlorobenze	1.572	1.543	1.622	1.602	1.617	1.462	1.545	5.52
13)	C	1,4-Dichlorobenze	1.566	1.466	1.568	1.671	1.673	1.545	1.573	4.78
14)		1,2-Dichlorobenze	1.606	1.614	1.532	1.435	1.370	1.237	1.442	10.26
15)		Benzyl Alcohol	1.288	1.354	1.382	1.530	1.410	1.251	1.370	6.56
16)		2,2'-oxybis(1-Chl	3.295	3.105	2.970	2.908	2.957	2.853	3.011	4.89
17)		2-Methylphenol	1.392	1.301	1.216	1.342	1.311	1.167	1.277	6.39
18)		Hexachloroethane	0.625	0.624	0.625	0.578	0.596	0.560	0.598	4.61
19)	P	n-Nitroso-di-n-pr	1.286	1.313	1.221	1.261	1.150	1.237	1.230	5.32
20)		3+4-Methylphenols	1.667	1.583	1.596	1.493	1.652	1.540	1.548	8.04
21)	I	Naphthalene-d8	----------	ISTD	----------					
22)		Acetophenone	0.573	0.582	0.477	0.466	0.498	0.468	0.500	11.14
23)	S	Nitrobenzene-d5	0.509	0.457	0.420	0.419	0.388	0.362	0.425	11.21
24)		Nitrobenzene	0.447	0.465	0.444	0.390	0.461	0.443	0.433	7.95
25)		Isophorone	0.916	0.919	0.764	0.787	0.800	0.731	0.814	9.08
26)	C	2-Nitrophenol	0.184	0.199	0.195	0.173	0.169	0.160	0.182	7.97
27)		2,4-Dimethylpheno	0.379	0.377	0.346	0.365	0.353	0.316	0.348	8.44
28)		bis(2-Chloroethox	0.562	0.560	0.474	0.415	0.439	0.441	0.482	12.12
29)	C	2,4-Dichloropheno	0.296	0.295	0.288	0.258	0.266	0.255	0.278	6.33
30)		1,2,4-Trichlorobe	0.332	0.325	0.306	0.307	0.310	0.294	0.308	5.42
31)		Naphthalene	1.213	1.146	1.089	1.090	1.097	1.007	1.085	7.84
32)		Benzoic acid		0.175	0.214	0.228	0.238	0.238	0.222	11.06
33)		4-Chloroaniline	0.501	0.498	0.490	0.434	0.415	0.384	0.449	10.53
34)	C	Hexachlorobutadie	0.202	0.198	0.171	0.167	0.164	0.155	0.175	10.26
35)		Caprolactam	0.104	0.108	0.099	0.108	0.114	0.095	0.104	6.53
36)	C	4-Chloro-3-methyl	0.345	0.336	0.364	0.321	0.323	0.333	0.335	4.73
37)		2-Methylnaphthale		0.816	0.728	0.629	0.615	0.576	0.669	13.11
38)	I	Acenaphthene-d10	----------	ISTD	----------					
39)		1,2,4,5-Tetrachlo	0.633	0.593	0.599	0.629	0.648	0.618	0.609	5.65
40)	P	Hexachlorocyclope	0.271	0.315	0.365	0.378	0.391	0.365	0.350	12.03
41)	S	2,4,6-Tribromophe	0.219	0.205	0.228	0.231	0.205	0.184	0.215	8.27
42)	C	2,4,6-Trichloroph	0.492	0.473	0.429	0.423	0.439	0.436	0.449	5.60
43)		2,4,5-Trichloroph	0.448	0.456	0.445	0.459	0.486	0.460	0.449	6.58
44)	S	2-Fluorobiphenyl	1.631	1.537	1.512	1.312	1.246	1.174	1.403	11.88
45)		1,1'-Biphenyl	1.781	1.678	1.781	1.795	1.766	1.624	1.692	8.04
46)		2-Chloronaphthale	1.410	1.325	1.349	1.398	1.387	1.237	1.323	7.16
47)		2-Nitroaniline	0.485	0.502	0.615	0.555	0.519	0.476	0.538	10.82
48)		Acenaphthylene	2.454	2.367	2.550	2.351	2.210	2.009	2.320	7.53
49)		Dimethylphthalate	1.579	1.475	1.628	1.531	1.782	1.623	1.588	6.51
50)		2,6-Dinitrotoluen	0.324	0.349	0.333	0.327	0.388	0.357	0.341	7.87
51)	C	Acenaphthene	1.453	1.430	1.558	1.399	1.334	1.243	1.410	7.08

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		Compound	2.5	10	25	40	50	60	Avg	%RSD
52)		3-Nitroaniline	0.406	0.426	0.477	0.403	0.394	0.433	0.421	6.68
53)	P	2,4-Dinitrophenol		0.130	0.193	0.195	0.191	0.178	0.187	17.80
54)		Dibenzofuran	2.079	1.991	2.125	1.933	1.816	1.626	1.910	9.18
55)	P	4-Nitrophenol	0.273	0.300	0.309	0.361	0.340	0.284	0.318	11.16
56)		2,4-Dinitrotoluen	0.398	0.461	0.460	0.447	0.536	0.478	0.458	9.45
57)		Fluorene	1.680	1.527	1.608	1.585	1.451	1.313	1.494	9.88
58)		2,3,4,6-Tetrachlo	0.375	0.363	0.357	0.349	0.360	0.340	0.361	4.08
59)		Diethylphthalate	1.809	1.833	1.682	1.669	1.789	1.739	1.730	5.05
60)		4-Chlorophenyl-ph	0.810	0.735	0.671	0.652	0.689	0.661	0.700	7.87
61)		4-Nitroaniline	0.422	0.439	0.458	0.458	0.440	0.401	0.432	5.34
62)		Azobenzene	1.937	1.883	1.818	1.808	1.913	1.898	1.896	3.73
63)	I	Phenanthrene-d10	----------	ISTD	----------					
64)		4,6-Dinitro-2-met		0.132	0.131	0.142	0.124	0.135	0.130	6.49
65)	c	n-Nitrosodiphenyl	0.835	0.779	0.731	0.756	0.653	0.591	0.713	12.15
66)		4-Bromophenyl-phe	0.263	0.236	0.228	0.215	0.192	0.181	0.217	12.84
67)		Hexachlorobenzene	0.255	0.246	0.235	0.252	0.242	0.223	0.235	9.31
68)		Atrazine	0.210	0.220	0.230	0.208	0.185	0.189	0.206	7.87
69)	C	Pentachlorophenol	0.099	0.128	0.134	0.136	0.144	0.137	0.132	11.84
70)		Phenanthrene	1.387	1.240	1.150	1.215	1.210	1.070	1.170	12.52
71)		Anthracene	1.331	1.281	1.234	1.093	1.025	0.991	1.152	11.38
72)		Carbazole	1.308	1.231	1.181	1.247	1.202	1.057	1.163	11.42
73)		Di-n-butylphthala	1.611	1.633	1.411	1.368	1.291	1.250	1.418	10.51
74)	C	Fluoranthene	1.473	1.437	1.367	1.211	1.158	1.084	1.280	11.51
75)	I	Chrysene-d12	----------	ISTD	----------					
76)		Benzidine	0.681	0.872	0.977	0.825	0.771	0.687	0.817	13.59
77)		Pyrene	1.599	1.561	1.650	1.370	1.307	1.200	1.487	13.09
78)	S	Terphenyl-d14	1.058	1.023	1.051	0.858	0.809	0.779	0.949	13.43
79)		Butylbenzylphthal	0.658	0.695	0.779	0.743	0.728	0.645	0.711	6.69
80)		Benzo(a)anthracen	1.482	1.420	1.382	1.231	1.174	1.126	1.307	10.16
81)		3,3'-Dichlorobenz	0.486	0.483	0.526	0.507	0.471	0.392	0.489	10.78
82)		Chrysene	1.373	1.295	1.432	1.179	1.107	0.956	1.249	14.05
83)		Bis(2-ethylhexyl)	0.987	1.031	1.061	0.965	0.964	0.852	0.974	6.78
84)	c	Di-n-octyl phthal	1.702	1.787	1.830	1.672	1.606	1.477	1.717	8.96
85)		Indeno(1,2,3-cd)p	1.190	1.288	1.356	1.192	1.170	1.045	1.216	8.25
86)	I	Perylene-d12	----------	ISTD	----------					
87)		Benzo(b)fluoranth	1.459	1.396	1.566	1.412	1.293	1.214	1.405	8.48
88)		Benzo(k)fluoranth	1.363	1.370	1.082	1.144	1.249	1.222	1.191	13.82
89)	C	Benzo(a)pyrene	1.224	1.299	1.203	1.256	1.194	1.109	1.210	4.92
90)		Dibenzo(a,h)anthr	1.058	1.127	1.110	1.059	1.023	0.953	1.043	6.24
91)		Benzo(g,h,i)peryl	1.012	1.110	1.061	1.033	0.987	0.927	1.011	6.29

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