Response Factor Report Instrument #2

Method Path : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\
Method File : 8270-BF012721.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jan 28 00:48:07 2021
Response Via : Initial Calibration

Calibration Files
5 =BF123039.D 10 =BF123040.D 20 =BF123041.D 40 =BF123042.D 50 =BF123043.D 60 =BF123044.D 80 =BF123045.D

		Compound	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.775	0.692	0.629	0.642	0.627	0.592	0.559	0.645	10.92
3)		Pyridine	2.014	1.794	1.705	1.759	1.675	1.598	1.531	1.725	9.05
4)		n-Nitrosodimet...	0.815	0.753	0.706	0.750	0.711	0.684	0.662	0.726	7.04
5)	S	2-Fluorophenol	1.591	1.454	1.316	1.303	1.220	1.139	1.052	1.297	14.15
6)		Aniline	2.523	2.246	2.123	2.219	2.099	2.020	1.911	2.163	9.03
7)	S	Phenol-d6	2.174	1.939	1.774	1.773	1.647	1.555	1.440	1.757	13.96
8)		2-Chlorophenol	1.692	1.556	1.418	1.435	1.331	1.251	1.156	1.405	12.91
9)		Benzaldehyde		0.937	0.843	0.820	0.747	0.671		0.803	12.52
10)	C	Phenol	2.099	1.913	1.750	1.807	1.670	1.529	1.433	1.743	12.97
11)		bis(2-Chloroet...	1.775	1.570	1.436	1.485	1.370	1.307	1.210	1.450	12.77
12)		1,3-Dichlorobe...	2.040	1.825	1.647	1.662	1.536	1.440	1.323	1.639	14.64
13)	C	1,4-Dichlorobe...	2.082	1.854	1.662	1.660	1.544	1.440		1.707	13.46
14)		1,2-Dichlorobe...	1.952	1.774	1.572	1.550	1.421	1.312		1.597	14.60
15)		Benzyl Alcohol	1.434	1.323	1.223	1.293	1.194	1.129	1.029	1.232	10.79
16)		2,2'-oxybis(1-...	2.730	2.476	2.203	2.287	2.115	1.997	1.848	2.237	13.26
17)		2-Methylphenol	1.411	1.282	1.169	1.235	1.141	1.096	1.037	1.196	10.46
18)		Hexachloroethane	0.722	0.643	0.592	0.611	0.572	0.540	0.505	0.598	11.87
19)	P	n-Nitroso-di-n...	1.294	1.173	1.031	1.082	0.995	0.941	0.882	1.057	13.31
20)		3+4-Methylphenols		1.685	1.504	1.499	1.365	1.265	1.133	1.409	13.91
21)	I	Naphthalene-d8	----------ISTD----------								
22)		Acetophenone	0.647	0.579	0.527	0.519	0.488	0.459	0.430	0.521	14.10
23)	S	Nitrobenzene-d5	0.439	0.414	0.395	0.405	0.395	0.374	0.358	0.397	6.64
24)		Nitrobenzene	0.461	0.429	0.407	0.419	0.405	0.380	0.365	0.409	7.73
25)		Isophorone	0.833	0.766	0.708	0.735	0.709	0.677	0.667	0.728	7.88
26)	C	2-Nitrophenol	0.139	0.152	0.161	0.187	0.185	0.181	0.180	0.169	11.04
27)		2,4-Dimethylph...	0.336	0.316	0.303	0.310	0.306	0.288	0.280	0.306	6.08
28)		bis(2-Chloroet...	0.586	0.533	0.488	0.499	0.480	0.454	0.436	0.497	10.12
29)	C	2,4-Dichloroph...	0.355	0.332	0.311	0.327	0.319	0.303	0.290	0.319	6.57
30)		1,2,4-Trichlor...	0.429	0.386	0.359	0.360	0.349	0.326	0.310	0.360	10.90
31)		Naphthalene	1.363	1.228	1.115	1.088	1.039	0.964	0.882	1.097	14.67
32)		Benzoic acid		0.155	0.187	0.243	0.253	0.253	0.255	0.224	19.14
33)		4-Chloroaniline	0.572	0.512	0.474	0.486	0.472	0.455	0.438	0.487	9.07
34)	C	Hexachlorobuta...	0.244	0.222	0.205	0.211	0.203	0.189	0.182	0.208	10.00
35)		Caprolactam	0.116	0.108	0.105	0.111	0.108	0.106	0.102	0.108	4.22
36)	C	4-Chloro-3-met...	0.373	0.346	0.325	0.342	0.328	0.312	0.300	0.332	7.30
37)		2-Methylnaphth...	0.906	0.811	0.737	0.726	0.688	0.638	0.592	0.728	14.49
38)		1-Methylnaphth...	0.858	0.768	0.696	0.690	0.645	0.606	0.564	0.690	14.44

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39)	I	Acenaphthene-d10	----------ISTD----------							
40)		1,2,4,5-Tetrac...	0.747	0.664	0.626	0.621	0.599	0.565	0.535	0.622	11.13
41)	P	Hexachlorocycl...	0.295	0.295	0.292	0.315	0.304	0.288	0.278	0.295	3.97
42)	S	2,4,6-Tribromo...	0.231	0.221	0.209	0.222	0.222	0.213	0.202	0.217	4.48
43)	C	2,4,6-Trichlor...	0.447	0.428	0.416	0.445	0.435	0.411	0.405	0.427	3.94
44)		2,4,5-Trichlor...	0.488	0.448	0.445	0.458	0.449	0.426	0.408	0.446	5.61
45)	S	2-Fluorobiphenyl		1.598	1.436	1.316	1.240	1.138		1.345	13.24
46)		1,1'-Biphenyl	2.036	1.838	1.679	1.639	1.543	1.434	1.314	1.640	14.83
47)		2-Chloronaphth...	1.681	1.485	1.386	1.372	1.309	1.225	1.156	1.373	12.63
48)		2-Nitroaniline	0.405	0.406	0.413	0.442	0.432	0.416	0.399	0.416	3.76
49)		Acenaphthylene	2.449	2.205	2.062	2.002	1.917	1.785	1.648	2.010	13.22
50)		Dimethylphthalate	1.893	1.687	1.566	1.550	1.506	1.423	1.360	1.569	11.29
51)		2,6-Dinitrotol...	0.343	0.334	0.327	0.352	0.343	0.327	0.314	0.334	3.84
52)	C	Acenaphthene	1.575	1.413	1.300	1.293	1.226	1.154	1.076	1.291	12.83
53)		3-Nitroaniline	0.409	0.403	0.392	0.410	0.404	0.383	0.366	0.395	4.09
54)	P	2,4-Dinitrophenol		0.075	0.097	0.136	0.147	0.148	0.153	0.126	25.51
55)		Dibenzofuran	2.275	2.025	1.853	1.805	1.706	1.609		1.879	12.76
56)	P	4-Nitrophenol	0.257	0.270	0.282	0.301	0.309	0.295	0.287	0.286	6.28
57)		2,4-Dinitrotol...	0.422	0.427	0.423	0.462	0.456	0.441	0.411	0.435	4.32
58)		Fluorene	1.829	1.605	1.432	1.353	1.285			1.501	14.58
59)		2,3,4,6-Tetrac...	0.409	0.379	0.382	0.387	0.382	0.365	0.344	0.378	5.24
60)		Diethylphthalate	1.887	1.698	1.531	1.538	1.499	1.381	1.266	1.543	13.17
61)		4-Chlorophenyl...	0.867	0.775	0.689	0.672	0.636	0.593		0.705	14.16
62)		4-Nitroaniline	0.428	0.399	0.381	0.410	0.404	0.389	0.369	0.397	4.91
63)		Azobenzene	1.867	1.670	1.522	1.513	1.429	1.342	1.224	1.510	14.05
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.070	0.083	0.108	0.114	0.112	0.115	0.101	19.11
66)	c	n-Nitrosodiphe...	0.872	0.776	0.719	0.729	0.689	0.648	0.613	0.721	11.86
67)		4-Bromophenyl-...	0.290	0.263	0.251	0.261	0.253	0.238	0.228	0.255	7.85
68)		Hexachlorobenzene	0.315	0.285	0.263	0.280	0.270	0.253	0.248	0.273	8.26
69)		Atrazine	0.230	0.210	0.199	0.199	0.196	0.183	0.176	0.199	8.85
70)	C	Pentachlorophenol	0.133	0.139	0.143	0.159	0.159	0.152	0.151	0.148	6.66
71)		Phenanthrene	1.540	1.335	1.231	1.190	1.126	1.030		1.242	14.35
72)		Anthracene	1.489	1.331	1.216	1.183	1.118	1.036	0.968	1.192	14.87
73)		Carbazole	1.358	1.214	1.120	1.108	1.044	0.987	0.910	1.106	13.40
74)		Di-n-butylphth...	1.589	1.474	1.347	1.323	1.247	1.140	1.060	1.311	13.97
75)	C	Fluoranthene	1.544	1.373	1.280	1.218	1.182	1.093	1.000	1.241	14.52
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.482	0.402	0.415	0.556	0.482	0.463	0.369	0.453	13.82
78)		Pyrene	1.800	1.636	1.488	1.535	1.451	1.342	1.316	1.510	11.15
79)	S	Terphenyl-d14		1.219	1.066	1.049	1.002	0.917	0.854	1.018	12.52
80)		Butylbenzylpht...	0.641	0.648	0.642	0.693	0.673	0.632	0.618	0.650	3.92
81)		Benzo(a)anthra...	1.622	1.455	1.361	1.363	1.300	1.199	1.176	1.354	11.31
82)		3,3'-Dichlorob...	0.443	0.430	0.426	0.458	0.435	0.407	0.384	0.426	5.70
83)		Chrysene	1.632	1.471	1.364	1.353	1.297	1.210	1.157	1.355	11.82
84)		Bis(2-ethylhex...	0.971	0.947	0.876	0.899	0.850	0.777	0.723	0.863	10.29
85)	c	Di-n-octyl pht...	1.452	1.485	1.457	1.573	1.490	1.387	1.305	1.450	5.83

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86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.431	1.374	1.342	1.396	1.310	1.234	1.235	1.332	5.76
88)		Benzo(b)fluora...	1.615	1.458	1.388	1.498	1.376	1.420	1.351	1.444	6.27
89)		Benzo(k)fluora...	1.578	1.437	1.347	1.327	1.341	1.167	1.191	1.341	10.48
90)	C	Benzo(a)pyrene	1.377	1.291	1.253	1.324	1.254	1.199	1.177	1.268	5.47
91)		Dibenzo(a,h)an...	1.181	1.142	1.103	1.152	1.079	1.015	1.002	1.096	6.25
92)		Benzo(g,h,i)pe...	1.161	1.104	1.079	1.098	1.034	0.981	0.979	1.062	6.36

(#) = Out of Range