Response Factor Report GC/MS Ins

Method Path : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\
Method File : 8270-BG032719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Mar 28 05:47:00 2019
Response Via : Initial Calibration

Calibration Files
20 =BG040176.D 10 =BG040175.D 100 =BG040181.D 40 =BG040177.D 50 =BG040178.D 60 =BG040179.D 80 =BG040180.D

		Compound	20	10	100	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.594	0.579	0.550	0.571	0.563	0.553	0.550	0.566	2.95
3)		Pyridine	1.554	1.584	1.447	1.638	1.522	1.483	1.435	1.523	4.88
4)		n-Nitrosodimet...	0.684	0.647	0.714	0.714	0.726	0.726	0.722	0.705	4.16
5)	S	2-Fluorophenol	1.205	1.236	1.161	1.238	1.216	1.201	1.164	1.203	2.59
6)		Aniline	2.184		2.103	2.246	2.166	2.168	2.094	2.160	2.58
7)	S	Phenol-d6	1.696	1.719	1.577	1.717	1.672	1.657	1.601	1.663	3.34
8)		2-Chlorophenol	1.430	1.461	1.342	1.456	1.401	1.406	1.362	1.408	3.17
9)		Benzaldehyde	1.252		1.095	1.219	1.162	1.111	1.004	1.140	7.88
10)	C	Phenol	1.824	1.882	1.737	1.855	1.806	1.805	1.726	1.805	3.17
11)		bis(2-Chloroet...	1.429	1.482	1.406	1.498	1.465	1.439	1.399	1.445	2.61
12)		1,3-Dichlorobe...	1.562	1.572	1.483	1.588	1.509	1.530	1.472	1.531	2.93
13)	C	1,4-Dichlorobe...	1.539	1.562	1.480	1.566	1.526	1.523	1.479	1.525	2.30
14)		1,2-Dichlorobe...	1.498	1.515	1.415	1.496	1.432	1.459	1.393	1.458	3.21
15)		Benzyl Alcohol	1.335		1.326	1.389	1.335	1.340	1.310	1.339	2.01
16)		2,2'-oxybis(1-...	2.809	2.873	2.679	2.870	2.788	2.766	2.634	2.774	3.26
17)		2-Methylphenol	1.247	1.335	1.207	1.297	1.228	1.234	1.194	1.249	4.03
18)		Hexachloroethane	0.577	0.601	0.574	0.593	0.582	0.571	0.561	0.580	2.33
19)	P	n-Nitroso-di-n...	1.226	1.266	1.139	1.215	1.176	1.189	1.133	1.192	4.01
20)		3+4-Methylphenols	1.737	1.665	1.650	1.761	1.709	1.685	1.635	1.692	2.74
21)	I	Naphthalene-d8	----------ISTD----------								
22)		Acetophenone	0.510	0.559	0.466	0.498	0.484	0.497	0.477	0.499	6.05
23)	S	Nitrobenzene-d5	0.385	0.396	0.360	0.382	0.370	0.378	0.364	0.376	3.36
24)		Nitrobenzene	0.396	0.409	0.376	0.394	0.382	0.388	0.382	0.390	2.83
25)		Isophorone	0.807	0.816	0.734	0.779	0.764	0.771	0.749	0.774	3.81
26)	C	2-Nitrophenol	0.181	0.180	0.186	0.187	0.184	0.189	0.185	0.185	1.79
27)		2,4-Dimethylph...	0.304	0.307	0.281	0.295	0.289	0.291	0.286	0.293	3.26
28)		bis(2-Chloroet...	0.474	0.488	0.428	0.469	0.451	0.455	0.440	0.458	4.51
29)	C	2,4-Dichloroph...	0.315	0.325	0.309	0.327	0.318	0.322	0.314	0.318	2.01
30)		1,2,4-Trichlor...	0.350	0.376	0.335	0.351	0.346	0.351	0.338	0.350	3.81
31)		Naphthalene	1.047	1.113	0.958	1.046	1.010	1.023	0.979	1.025	4.95
32)		Benzoic acid	0.139		0.200	0.166	0.176	0.182	0.200	0.177	12.94
33)		4-Chloroaniline	0.452		0.418	0.449	0.436	0.441	0.428	0.437	2.87
34)	C	Hexachlorobuta...	0.228	0.232	0.218	0.225	0.219	0.225	0.218	0.224	2.45
35)		Caprolactam	0.130	0.129	0.121	0.130	0.126	0.129	0.120	0.126	3.32
36)	C	4-Chloro-3-met...	0.368	0.384	0.352	0.372	0.360	0.369	0.357	0.366	2.88
37)		2-Methylnaphth...	0.793	0.825	0.701	0.767	0.740	0.757	0.725	0.758	5.53
38)		1-Methylnaphth...	0.760	0.799	0.681	0.743	0.726	0.734	0.705	0.735	5.18

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39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.659	0.644	0.610	0.650	0.630	0.636	0.622	0.636	2.66
41)	P	Hexachlorocycl...	0.322		0.362	0.346	0.349	0.358	0.358	0.349	4.23
42)	S	2,4,6-Tribromo...	0.220	0.208	0.214	0.220	0.216	0.220	0.215	0.216	1.94
43)	C	2,4,6-Trichlor...	0.405	0.393	0.406	0.419	0.416	0.420	0.410	0.410	2.30
44)		2,4,5-Trichlor...	0.457	0.447	0.438	0.450	0.439	0.458	0.439	0.447	1.89
45)	S	2-Fluorobiphenyl	1.437	1.527	1.184	1.394	1.338	1.330	1.237	1.350	8.64
46)		1,1'-Biphenyl	1.655	1.682	1.467	1.615	1.557	1.582	1.504	1.580	4.92
47)		2-Chloronaphth...	1.232	1.299	1.145	1.231	1.205	1.216	1.157	1.212	4.26
48)		2-Nitroaniline	0.413	0.397	0.404	0.422	0.409	0.415	0.403	0.409	2.00
49)		Acenaphthylene	2.136	2.235	1.872	2.119	2.050	2.037	1.938	2.055	5.98
50)		Dimethylphthalate	1.629	1.704	1.430	1.599	1.545	1.578	1.473	1.565	5.94
51)		2,6-Dinitrotol...	0.350	0.358	0.342	0.356	0.351	0.361	0.343	0.351	2.04
52)	C	Acenaphthene	1.223	1.254	1.099	1.197	1.170	1.174	1.127	1.178	4.54
53)		3-Nitroaniline	0.370	0.381	0.360	0.380	0.371	0.379	0.365	0.372	2.17
54)	P	2,4-Dinitrophenol	0.156		0.205	0.179	0.184	0.197	0.200	0.187	9.54
55)		Dibenzofuran	1.993	2.082	1.711	1.928	1.875	1.878	1.779	1.892	6.59
56)	P	4-Nitrophenol	0.288		0.299	0.303	0.302	0.310	0.299	0.300	2.40
57)		2,4-Dinitrotol...	0.500	0.475	0.477	0.500	0.489	0.502	0.477	0.488	2.49
58)		Fluorene	1.571	1.669	1.337	1.514	1.467	1.470	1.386	1.488	7.48
59)		2,3,4,6-Tetrac...	0.405	0.402	0.401	0.416	0.398	0.417	0.398	0.405	1.99
60)		Diethylphthalate	1.680	1.755	1.461	1.632	1.576	1.604	1.506	1.602	6.24
61)		4-Chlorophenyl...	0.833	0.863	0.738	0.817	0.780	0.792	0.744	0.795	5.77
62)		4-Nitroaniline	0.408	0.410	0.378	0.405	0.397	0.411	0.387	0.399	3.20
63)		Azobenzene	1.573	1.673	1.376	1.532	1.497	1.505	1.420	1.511	6.47
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.100		0.120	0.109	0.113	0.115	0.117	0.112	6.26
66)	c	n-Nitrosodiphe...	0.611	0.630	0.549	0.605	0.579	0.575	0.549	0.585	5.31
67)		4-Bromophenyl-...	0.232	0.233	0.219	0.232	0.224	0.220	0.217	0.225	3.03
68)		Hexachlorobenzene	0.232	0.237	0.219	0.231	0.223	0.222	0.219	0.226	3.11
69)		Atrazine	0.230	0.239	0.199	0.225	0.214	0.214	0.203	0.218	6.58
70)	C	Pentachlorophenol	0.115		0.140	0.131	0.131	0.132	0.135	0.131	6.41
71)		Phenanthrene	1.125	1.170	0.942	1.086	1.044	1.021	0.971	1.051	7.77
72)		Anthracene	1.140	1.184	0.936	1.093	1.036	1.016	0.962	1.052	8.68
73)		Carbazole	1.081	1.110	0.888	1.034	0.981	0.965	0.911	0.996	8.39
74)		Di-n-butylphth...	1.281	1.345	1.033	1.224	1.172	1.150	1.058	1.180	9.58
75)	C	Fluoranthene	1.355	1.447	1.081	1.294	1.220	1.200	1.117	1.245	10.43
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.769	0.838	0.629	0.750	0.678	0.703	0.689	0.722	9.55
78)		Pyrene	1.386	1.450	1.172	1.354	1.324	1.293	1.229	1.315	7.16
79)	S	Terphenyl-d14	0.991	1.116	0.734	0.906	0.872	0.834	0.770	0.889	14.80
80)		Butylbenzylpht...	0.567	0.578	0.537	0.577	0.569	0.564	0.548	0.563	2.66
81)		Benzo(a)anthra...	1.282	1.351	1.128	1.261	1.234	1.204	1.164	1.232	6.10
82)		3,3'-Dichlorob...	0.477	0.490	0.436	0.487	0.474	0.462	0.454	0.469	4.11
83)		Chrysene	1.226	1.310	1.074	1.213	1.185	1.159	1.120	1.184	6.48
84)		Bis(2-ethylhex...	0.833	0.862	0.750	0.817	0.809	0.786	0.774	0.805	4.68
85)	c	Di-n-octyl pht...	1.403	1.466	1.262	1.413	1.383	1.356	1.311	1.371	4.97
86)		Indeno(1,2,3-c...	1.424	1.455	1.426	1.466	1.467	1.455	1.442	1.448	1.23

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87)	I	Perylene-d12	----------ISTD----------							
88)		Benzo(b)fluora...	1.270	1.354	1.122	1.250	1.212	1.191	1.172	1.224	6.13
89)		Benzo(k)fluora...	1.191	1.281	1.029	1.135	1.109	1.092	1.045	1.126	7.78
90)	C	Benzo(a)pyrene	1.179	1.267	1.061	1.172	1.142	1.129	1.094	1.149	5.80
91)		Dibenzo(a,h)an...	1.078	1.116	1.021	1.082	1.069	1.059	1.045	1.067	2.83
92)		Benzo(g,h,i)pe...	1.103	1.128	1.066	1.112	1.095	1.096	1.078	1.097	1.87

(#) = Out of Range