Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : 8270-BG070816.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jul 07 16:51:07 2016
Response Via : Initial Calibration

Calibration Files
2.5 =BG022891.D 10 =BG022892.D 25 =BG022893.D 40 =BG022894.D 50 =BG022895.D 60 =BG022896.D 80 =BG022897.D

		Compound	2.5	10	25	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.487	0.484	0.451	0.457	0.509	0.473	0.467	0.475	4.17
3)		Pyridine	1.615	1.478	1.625	1.622	1.734	1.643	1.670	1.627	4.75
4)		n-Nitrosodimet...	0.708	0.664	0.683	0.706	0.711	0.708	0.704	0.698	2.51
5)	S	2-Fluorophenol	1.189	1.279	1.234	1.198	1.266	1.220	1.175	1.223	3.21
6)		Aniline	2.599	2.527	2.633	2.683	2.823	2.674	2.641	2.654	3.43
7)	S	Phenol-d6	1.956	1.870	1.924	1.958	2.012	1.850	1.837	1.915	3.39
8)		2-Chlorophenol	1.256	1.277	1.316	1.299	1.338	1.311	1.312	1.301	2.11
9)		Benzaldehyde	1.521	1.330	1.339	1.255	1.279	1.166	1.069	1.280	11.17
10)	C	Phenol	2.019	1.861	1.971	1.994	2.068	1.939	1.944	1.971	3.35
11)		bis(2-Chloroet...	1.673	1.486	1.525	1.557	1.635	1.532	1.525	1.562	4.30
12)		1,3-Dichlorobe...	1.611	1.690	1.614	1.544	1.609	1.540	1.543	1.593	3.45
13)	C	1,4-Dichlorobe...	1.512	1.646	1.620	1.575	1.648	1.590	1.572	1.595	3.01
14)		1,2-Dichlorobe...	1.700	1.564	1.595	1.522	1.627	1.571	1.518	1.585	4.00
15)		Benzyl Alcohol	1.687	1.606	1.724	1.806	1.893	1.751	1.812	1.754	5.33
16)		2,2'-oxybis(1-...	2.140	1.803	1.877	1.898	1.981	1.836	1.820	1.908	6.21
17)		2-Methylphenol	1.294	1.243	1.235	1.290	1.352	1.267	1.298	1.283	3.07
18)		Hexachloroethane	0.745	0.640	0.693	0.625	0.680	0.663	0.666	0.673	5.83
19)	P	n-Nitroso-di-n...	1.731	1.644	1.724	1.775	1.832	1.683	1.697	1.727	3.60
20)		3+4-Methylphenols	1.578	1.675	1.807	1.902	1.915	1.805	1.842	1.789	6.82
21)	I	Naphthalene-d8	----------ISTD----------								
22)		Acetophenone	0.613	0.621	0.624	0.597	0.586	0.590	0.572	0.600	3.23
23)	S	Nitrobenzene-d5	0.483	0.488	0.484	0.462	0.470	0.450	0.434	0.467	4.29
24)		Nitrobenzene	0.521	0.514	0.509	0.483	0.490	0.487	0.471	0.496	3.66
25)		Isophorone	0.976	0.934	0.979	0.963	0.937	0.914	0.873	0.939	4.01
26)	C	2-Nitrophenol	0.179	0.183	0.199	0.206	0.196	0.202	0.197	0.195	5.01
27)		2,4-Dimethylph...	0.386	0.321	0.333	0.333	0.333	0.327	0.324	0.337	6.61
28)		bis(2-Chloroet...	0.545	0.518	0.539	0.528	0.523	0.515	0.497	0.524	3.04
29)	C	2,4-Dichloroph...	0.344	0.352	0.372	0.366	0.368	0.361	0.352	0.359	2.85
30)		1,2,4-Trichlor...	0.428	0.409	0.415	0.407	0.408	0.417	0.398	0.411	2.29
31)		Naphthalene	1.133	1.051	1.053	1.004	0.993	0.975	0.917	1.018	6.75
32)		Benzoic acid	0.338	0.257	0.269	0.324	0.315	0.313	0.327	0.306	10.07
33)		4-Chloroaniline	0.520	0.504	0.509	0.497	0.492	0.487	0.476	0.498	2.96
34)	C	Hexachlorobuta...	0.355	0.352	0.339	0.324	0.320	0.324	0.319	0.334	4.55
35)		Caprolactam	0.184	0.147	0.139	0.148	0.145	0.135	0.135	0.148	11.50
36)	C	4-Chloro-3-met...	0.531	0.491	0.493	0.500	0.491	0.471	0.460	0.491	4.60
37)		2-Methylnaphth...	0.827	0.832	0.830	0.820	0.807	0.774	0.742	0.805	4.26

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38)	I	Acenaphthene-d10	----------ISTD----------								
39)		1,2,4,5-Tetrac...	0.888	0.875	0.885	0.847	0.845	0.864	0.827	0.862	2.65
40)	P	Hexachlorocycl...	0.490	0.455	0.490	0.490	0.514	0.521	0.513	0.496	4.55
41)	S	2,4,6-Tribromo...	0.409	0.369	0.357	0.348	0.350	0.352	0.330	0.359	6.93
42)	C	2,4,6-Trichlor...	0.507	0.481	0.506	0.497	0.491	0.506	0.479	0.495	2.40
43)		2,4,5-Trichlor...	0.558	0.497	0.506	0.496	0.502	0.511	0.490	0.509	4.52
44)	S	2-Fluorobiphenyl	1.569	1.410	1.356	1.228	1.179	1.146	1.001	1.270	14.88
45)		1,1'-Biphenyl	1.648	1.558	1.567	1.483	1.467	1.443	1.338	1.501	6.71
46)		2-Chloronaphth...	1.304	1.272	1.250	1.205	1.184	1.186	1.119	1.217	5.15
47)		2-Nitroaniline	0.559	0.527	0.533	0.511	0.506	0.508	0.491	0.519	4.31
48)		Acenaphthylene	2.105	1.983	1.888	1.798	1.742	1.718	1.549	1.826	10.05
49)		Dimethylphthalate	1.917	1.803	1.711	1.582	1.544	1.506	1.373	1.634	11.44
50)		2,6-Dinitrotol...	0.362	0.389	0.375	0.361	0.368	0.362	0.352	0.367	3.31
51)	C	Acenaphthene	1.325	1.232	1.229	1.165	1.165	1.152	1.084	1.193	6.41
52)		3-Nitroaniline	0.381	0.373	0.371	0.364	0.365	0.359	0.351	0.366	2.59
53)	P	2,4-Dinitrophenol	0.241	0.232	0.242	0.259	0.260	0.269	0.261	0.252	5.37
54)		Dibenzofuran	2.173	1.940	1.862	1.726	1.686	1.638	1.476	1.786	12.74
55)	P	4-Nitrophenol	0.344	0.301	0.308	0.304	0.303	0.300	0.288	0.307	5.74
56)		2,4-Dinitrotol...	0.606	0.552	0.535	0.522	0.519	0.526	0.488	0.535	6.82
57)		Fluorene	1.816	1.668	1.587	1.479	1.462	1.430	1.318	1.537	10.82
58)		2,3,4,6-Tetrac...	0.527	0.535	0.516	0.502	0.506	0.500	0.477	0.509	3.77
59)		Diethylphthalate	2.053	1.856	1.708	1.610	1.552	1.501	1.356	1.662	14.05
60)		4-Chlorophenyl...	1.043	0.997	0.945	0.927	0.917	0.882	0.843	0.936	7.19
61)		4-Nitroaniline	0.471	0.410	0.389	0.386	0.380	0.377	0.361	0.396	9.12
62)		Azobenzene	1.872	1.735	1.667	1.547	1.514	1.460	1.336	1.590	11.35
63)	I	Phenanthrene-d10	----------ISTD----------								
64)		4,6-Dinitro-2-...	0.133	0.139	0.147	0.156	0.154	0.158	0.155	0.149	6.44
65)	c	n-Nitrosodiphe...	0.613	0.594	0.598	0.582	0.570	0.556	0.522	0.576	5.29
66)		4-Bromophenyl-...	0.286	0.253	0.259	0.263	0.257	0.257	0.246	0.260	4.86
67)		Hexachlorobenzene	0.291	0.277	0.285	0.285	0.284	0.285	0.274	0.283	2.06
68)		Atrazine	0.275	0.274	0.264	0.253	0.250	0.243	0.230	0.256	6.47
69)	C	Pentachlorophenol	0.170	0.163	0.180	0.193	0.192	0.193	0.191	0.183	6.76
70)		Phenanthrene	1.159	1.103	1.019	0.968	0.925	0.888	0.798	0.980	12.73
71)		Anthracene	1.170	1.108	1.059	0.976	0.934	0.905	0.795	0.992	13.00
72)		Carbazole	1.030	0.936	0.891	0.844	0.810	0.790	0.703	0.858	12.42
73)		Di-n-butylphth...		1.135	1.068	0.976	0.906	0.883	0.753	0.954	14.38
74)	C	Fluoranthene	1.408	1.351	1.253	1.139	1.049	1.016		1.203	13.36
75)	I	Chrysene-d12	----------ISTD----------								
76)		Benzidine		0.625	0.627	0.590	0.574	0.540	0.484	0.573	9.54
77)		Pyrene	1.308	1.260	1.183	1.059	1.010	0.923		1.124	13.42
78)	S	Terphenyl-d14		0.899	0.775	0.643	0.591	0.528	0.444	0.646	25.74
79)		Butylbenzylpht...	0.512	0.469	0.460	0.441	0.431	0.414	0.389	0.445	9.01
80)		Benzo(a)anthra...	1.364	1.251	1.205	1.091	1.050	0.988	0.884	1.119	14.73
81)		3,3'-Dichlorob...	0.511	0.523	0.518	0.497	0.483	0.466	0.439	0.491	6.24
82)		Chrysene	1.252	1.199	1.142	1.019	0.987	0.926	0.823	1.050	14.72

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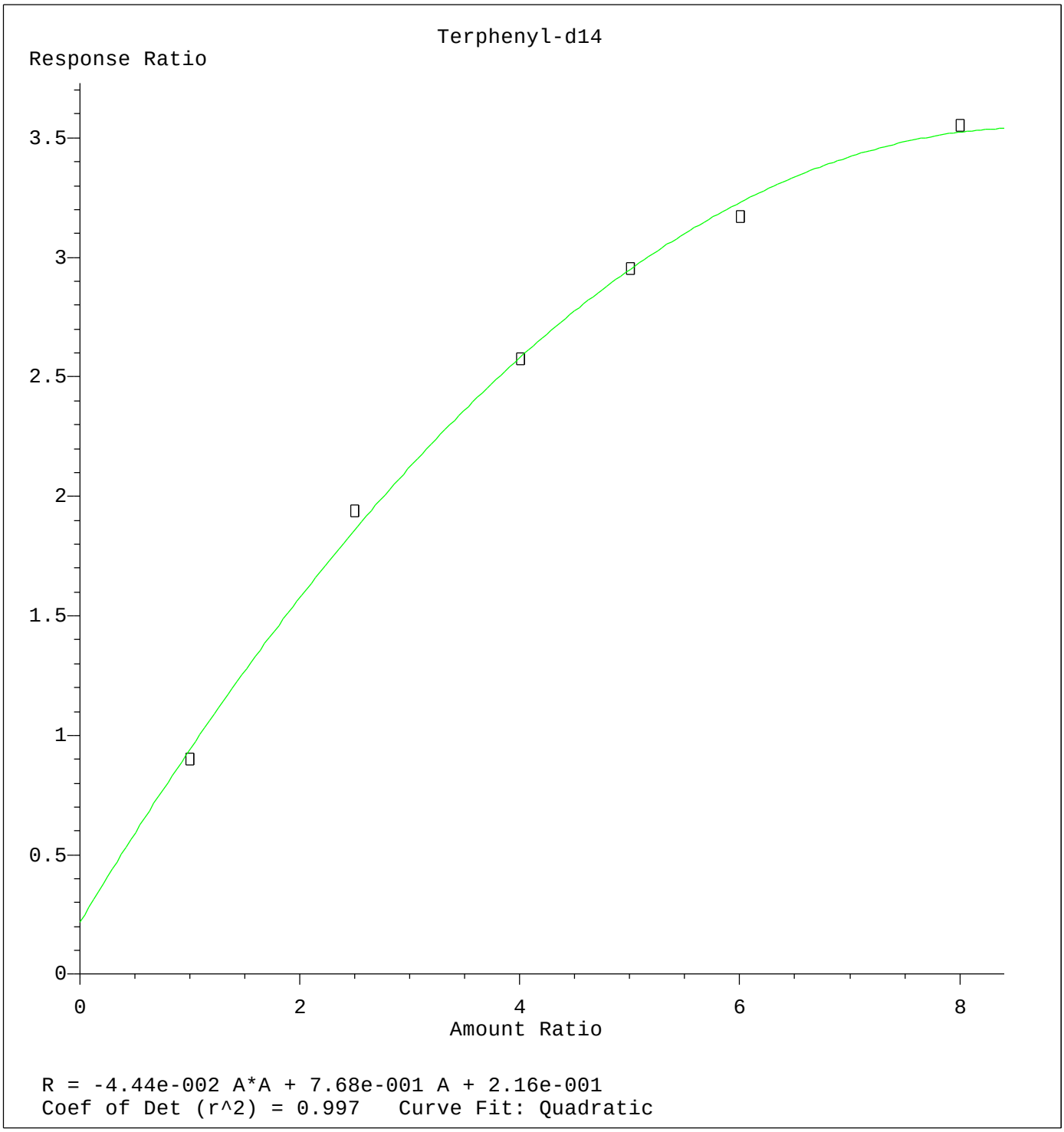
83)		Bis(2-ethylhex...	0.745	0.664	0.653	0.602	0.578	0.563	0.522	0.618	12.08
84)	c	Di-n-octyl pht...	1.224	1.122	1.099	1.022	0.975	0.930	0.845	1.031	12.42
85)		Indeno(1,2,3-c...	1.570	1.366	1.341	1.295	1.308	1.259	1.230	1.338	8.37
86)	I	Perylene-d12	----------ISTD----------								
87)		Benzo(b)fluora...	1.312	1.235	1.187	1.128	1.125	1.066	1.025	1.154	8.56
88)		Benzo(k)fluora...	1.254	1.162	1.154	1.110	1.039	1.030	0.917	1.095	10.05
89)	C	Benzo(a)pyrene	1.280	1.162	1.140	1.095	1.059	1.031	0.975	1.106	9.01
90)		Dibenzo(a,h)an...	1.262	1.097	1.120	1.083	1.070	1.048	1.006	1.098	7.38
91)		Benzo(g,h,i)pe...	1.206	1.119	1.112	1.093	1.076	1.060	1.029	1.099	5.11

(#) = Out of Range



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Calibration Table Last Updated: Thu Jul 07 16:51:07 2016