Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA_G\METHODS\
Method File : SOM02.2-EPA-BG072016.M
Title : SVOA CALIBRATION
Last Update : Thu Jul 21 04:24:30 2016
Response Via : Initial Calibration

Calibration Files
5 =BG023185.D 10 =BG023186.D 20 =BG023191.D
40 =BG023188.D 80 =BG023189.D 160 =BG023190.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.562	0.487	0.450	0.441	0.426		0.473	11.58
3)	S	1,4-Dioxane-d8	0.476	0.450	0.455	0.440	0.390		0.442	7.25
4)		Benzaldehyde		1.558	1.550	1.400	0.967	0.928	1.280	24.26
5)	S	Phenol-d5		2.016	2.121	2.130	2.076	1.966	2.062	3.40
6)		Phenol		2.144	2.212	2.187	2.172	2.014	2.146	3.62
7)	S	Bis-(2-Chloroethy		1.449	1.387	1.416	1.329	1.252	1.367	5.70
8)		Bis(2-Chloroethyl		1.695	1.653	1.670	1.582	1.464	1.613	5.78
9)	S	2-Chlorophenol-d4	1.364	1.393	1.382	1.403	1.383		1.385	1.06
10)		2-Chlorophenol	1.413	1.445	1.416	1.435	1.406		1.423	1.13
11)		2-Methylphenol		1.575	1.573	1.660	1.625	1.493	1.585	3.99
12)		2,2'-oxybis(1-Chl		2.319	2.248	2.254	2.118	1.972	2.182	6.34
13)	S	4-Methylphenol-d8		1.614	1.608	1.661	1.616	1.524	1.604	3.10
14)		Acetophenone		2.982	2.842	2.916	2.762	2.457	2.792	7.31
15)	P	N-Nitroso-di-n-pr	1.824	1.894	1.858	1.834	1.800		1.842	1.93
16)		4-Methylphenol		1.776	1.773	1.823	1.776	1.675	1.765	3.07
17)		Hexachloroethane	0.673	0.687	0.683	0.683	0.642		0.674	2.70
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.176	0.151	0.158	0.158	0.157		0.160	5.93
20)		Nitrobenzene	0.537	0.529	0.525	0.507	0.485		0.517	4.08
21)		Isophorone	1.059	1.017	1.008	0.961	0.880		0.985	6.90
22)	S	2-Nitrophenol-d4	0.181	0.189	0.188	0.189	0.188		0.187	1.93
23)	C	2-Nitrophenol	0.202	0.200	0.195	0.203	0.196		0.199	1.73
24)		2,4-Dimethylpheno	0.464	0.459	0.469	0.456	0.440		0.458	2.38
25)		Bis(2-Chloroethox	0.580	0.559	0.554	0.533	0.497		0.545	5.78
26)	S	2,4-Dichloropheno	0.367	0.348	0.345	0.356	0.341		0.351	2.93
27)	C	2,4-Dichloropheno	0.356	0.337	0.354	0.351	0.340		0.348	2.49
28)		Naphthalene	1.065	1.060	1.013	0.986	0.904		1.006	6.53
29)	S	4-Chloroaniline-d		0.395	0.459	0.434	0.358	0.172	0.364	31.35
30)		4-Chloroaniline		0.417	0.476	0.440	0.365	0.180	0.376	30.99
31)	C	Hexachlorobutadie	0.308	0.283	0.275	0.274	0.257		0.279	6.68
32)		Caprolactam		0.157	0.150	0.143	0.139	0.130	0.144	7.21
33)	C	4-Chloro-3-methyl	0.478	0.456	0.461	0.452	0.436		0.457	3.38
34)		2-Methylnaphthale	0.866	0.897	0.849	0.802	0.747		0.832	7.08
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.714	0.662	0.678	0.667	0.615		0.667	5.31
37)		Hexachlorocyclope		0.394	0.435	0.457	0.450	0.435	0.434	5.62
38)	C	2,4,6-Trichloroph	0.481	0.472	0.460	0.460	0.436		0.462	3.69
39)		2,4,5-Trichloroph	0.486	0.467	0.488	0.473	0.443		0.471	3.80
40)		1,1'-Biphenyl	1.671	1.579	1.541	1.461	1.249		1.500	10.63
41)		2-Chloronaphthale	1.343	1.234	1.235	1.183	1.049		1.209	8.83
42)		2-Nitroaniline	0.560	0.537	0.552	0.530	0.510		0.538	3.63
43)	S	Dimethylphthalate	1.923	1.766	1.710	1.563	1.351		1.663	13.04
44)		Dimethylphthalate	1.958	1.796	1.739	1.588	1.342		1.684	13.82
45)		2,6-Dinitrotoluen	0.393	0.362	0.364	0.362	0.346		0.366	4.67
46)	S	Acenaphthylene-d8	2.099	2.011	1.954	1.826	1.560		1.890	11.07
47)		Acenaphthylene	2.144	2.029	2.002	1.853	1.543		1.914	12.12
48)		3-Nitroaniline		0.360	0.361	0.337	0.288	0.215	0.312	19.73
49)	C	Acenaphthene	1.447	1.323	1.320	1.260	1.119		1.294	9.20
50)		2,4-Dinitrophenol		0.210	0.223	0.238	0.247	0.229	0.229	6.25
51)	S	4-Nitrophenol-d4		0.308	0.307	0.304	0.286	0.262	0.293	6.71

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.388	0.349	0.358	0.344	0.308	0.349	8.16
53)		Dibenzofuran	2.146	2.045	1.980	1.847	1.522		1.908	12.66
54)		2,4-Dinitrotoluen	0.612	0.559	0.578	0.534	0.500		0.557	7.66
55)		2,3,4,6-Tetrachlo	0.483	0.495	0.482	0.470	0.451		0.476	3.52
56)		Diethylphthalate	2.094	1.955	1.833	1.667	1.409		1.792	14.81
57)	S	Fluorene-d10	1.690	1.587	1.538	1.446	1.257		1.504	10.88
58)		Fluorene	1.818	1.667	1.626	1.494	1.263		1.574	13.26
59)		4-Chlorophenyl-ph	0.976	0.914	0.849	0.833	0.740		0.862	10.32
60)		4-Nitroaniline		0.426	0.425	0.379	0.360	0.328	0.384	11.09
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.131	0.140	0.144	0.143	0.131	0.138	4.43
63)		4,6-Dinitro-2-met		0.145	0.149	0.151	0.148	0.135	0.145	4.47
64)		N-Nitrosodiphenyl	0.603	0.605	0.591	0.582	0.509		0.578	6.90
65)		4-Bromophenyl-phe	0.236	0.234	0.233	0.230	0.217		0.230	3.23
66)		Hexachlorobenzene	0.243	0.240	0.235	0.233	0.226		0.236	2.72
67)		Atrazine		0.283	0.267	0.258	0.234	0.190	0.246	14.61
68)	C	Pentachlorophenol		0.132	0.146	0.151	0.155	0.147	0.146	5.88
69)		Phenanthrene	1.167	1.127	1.071	0.985	0.801		1.030	14.08
70)	S	Anthracene-d10	1.046	1.024	0.968	0.899	0.744		0.936	12.97
71)		Anthracene	1.250	1.206	1.129	1.020	0.793		1.080	16.89
72)		Carbazole		1.053	0.981	0.896	0.736	0.581	0.849	22.45
73)		Di-n-butylphthala	1.416	1.327	1.238	1.097	0.812		1.178	20.04
74)	C	Fluoranthene		1.443	1.313	1.137	0.872	0.646	1.082	29.98#
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	1.150	1.153	1.084	0.977	0.798		1.032	14.45
77)		Pyrene	1.440	1.396	1.298	1.110	0.836		1.216	20.36
78)		Butylbenzylphthal	0.557	0.540	0.550	0.528	0.464		0.528	7.05
79)		3,3'-Dichlorobenz		0.441	0.465	0.422	0.367	0.299	0.399	16.63
80)		Benzo(a)anthracen	1.344	1.290	1.234	1.137	0.932		1.187	13.64
81)		Bis(2-ethylhexyl)	0.782	0.757	0.742	0.716	0.611		0.721	9.18
82)		Chrysene	1.216	1.177	1.129	1.018	0.847		1.077	13.78
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		1.339	1.269	1.204	0.982	0.748	1.108	21.83
85)		Benzo(b)fluoranth	1.310	1.278	1.244	1.193	1.058		1.217	8.11
86)		Benzo(k)fluoranth	1.302	1.241	1.164	1.106	0.951		1.153	11.71
87)	S	Benzo(a)pyrene-d1	1.005	0.973	0.936	0.928	0.853		0.939	6.07
88)	C	Benzo(a)pyrene	1.251	1.219	1.192	1.132	1.002		1.159	8.47
89)		Indeno(1,2,3-cd)p	1.408	1.335	1.294	1.282	1.210		1.306	5.58
90)		Dibenzo(a,h)anthr	1.161	1.098	1.073	1.063	0.981		1.075	6.04
91)		Benzo(g,h,i)peryl	1.142	1.116	1.063	1.069	1.005		1.079	4.88

(#) = Out of Range