Response Factor Report GC/MS Ins

Method Path : Z:\HPCHEM1\BNA G\METHODS\
Method File : SOM02.2-EPA-BG113016.M
Title : SVOA CALIBRATION
Last Update : Thu Dec 01 01:03:36 2016
Response Via : Initial Calibration

Calibration Files
5 =BG024941.D 10 =BG024942.D 20 =BG024947.D
40 =BG024944.D 80 =BG024945.D 160 =BG024946.D

		Compound	5	10	20	40	80	160	Avg	%RSD
1)	I	1,4-Dichlorobenzene-d	----------	ISTD	----------					
2)		1,4-Dioxane	0.587	0.521	0.490	0.478	0.445		0.504	10.61
3)	S	1,4-Dioxane-d8	0.390	0.415	0.383	0.382	0.366		0.387	4.61
4)		Benzaldehyde		1.335	1.357	1.299	1.380	1.123	1.299	7.91
5)	S	Phenol-d5		1.707	1.722	1.686	1.809	1.703	1.725	2.82
6)		Phenol		1.681	1.826	1.745	1.883	1.720	1.771	4.64
7)	S	Bis-(2-Chloroethy		1.082	1.078	1.051	1.116	1.009	1.067	3.72
8)		Bis(2-Chloroethyl		1.383	1.266	1.280	1.330	1.220	1.296	4.84
9)	S	2-Chlorophenol-d4	1.158	1.209	1.224	1.178	1.264		1.207	3.43
10)		2-Chlorophenol	1.172	1.178	1.227	1.190	1.299		1.213	4.32
11)		2-Methylphenol		1.228	1.301	1.288	1.396	1.306	1.304	4.60
12)		2,2'-oxybis(1-Chl		2.268	2.257	2.193	2.264	2.037	2.204	4.45
13)	S	4-Methylphenol-d8		1.396	1.417	1.433	1.541	1.422	1.442	3.95
14)		Acetophenone		2.327	2.170	2.149	2.264	2.062	2.194	4.70
15)	P	N-Nitroso-di-n-pr	1.210	1.252	1.296	1.261	1.318		1.267	3.29
16)		4-Methylphenol		1.515	1.369	1.409	1.546	1.416	1.451	5.21
17)		Hexachloroethane	0.489	0.518	0.551	0.547	0.583		0.537	6.65
18)	I	Naphthalene-d8	----------	ISTD	----------					
19)	S	Nitrobenzene-d5	0.138	0.141	0.142	0.144	0.143		0.142	1.60
20)		Nitrobenzene	0.425	0.442	0.424	0.448	0.438		0.435	2.46
21)		Isophorone	0.825	0.798	0.837	0.845	0.814		0.824	2.26
22)	S	2-Nitrophenol-d4	0.187	0.164	0.173	0.181	0.178		0.177	4.82
23)	C	2-Nitrophenol	0.167	0.182	0.178	0.183	0.186		0.179	4.14
24)		2,4-Dimethylpheno	0.383	0.401	0.423	0.416	0.425		0.410	4.30
25)		Bis(2-Chloroethox	0.406	0.404	0.431	0.428	0.430		0.420	3.21
26)	S	2,4-Dichloropheno	0.323	0.327	0.342	0.355	0.352		0.340	4.31
27)	C	2,4-Dichloropheno	0.308	0.318	0.335	0.348	0.339		0.330	4.99
28)		Naphthalene	0.950	0.911	0.930	0.940	0.917		0.930	1.74
29)	S	4-Chloroaniline-d		0.317	0.336	0.364	0.354	0.297	0.334	8.21
30)		4-Chloroaniline		0.344	0.349	0.368	0.351	0.294	0.341	8.15
31)	C	Hexachlorobutadie	0.279	0.281	0.287	0.292	0.278		0.283	2.00
32)		Caprolactam		0.143	0.135	0.141	0.134	0.131	0.137	3.70
33)	C	4-Chloro-3-methyl	0.394	0.407	0.410	0.416	0.405		0.406	1.98
34)		2-Methylnaphthale	0.734	0.708	0.760	0.745	0.722		0.734	2.75
35)	I	Acenaphthene-d10	----------	ISTD	----------					
36)		1,2,4,5-Tetrachlo	0.591	0.597	0.585	0.624	0.616		0.603	2.79
37)		Hexachlorocyclope		0.273	0.325	0.380	0.394	0.398	0.354	15.18
38)	C	2,4,6-Trichloroph	0.364	0.374	0.373	0.388	0.395		0.379	3.37
39)		2,4,5-Trichloroph	0.399	0.392	0.422	0.433	0.430		0.415	4.48
40)		1,1'-Biphenyl	1.198	1.232	1.231	1.229	1.174		1.213	2.14
41)		2-Chloronaphthale	1.017	0.934	0.936	0.985	0.955		0.965	3.66
42)		2-Nitroaniline	0.327	0.367	0.393	0.405	0.397		0.378	8.34
43)	S	Dimethylphthalate	1.352	1.405	1.420	1.386	1.315		1.376	3.09
44)		Dimethylphthalate	1.410	1.370	1.365	1.351	1.263		1.352	4.01
45)		2,6-Dinitrotoluen	0.286	0.275	0.299	0.297	0.295		0.291	3.37
46)	S	Acenaphthylene-d8	1.515	1.498	1.519	1.532	1.470		1.507	1.58
47)		Acenaphthylene	1.476	1.486	1.500	1.466	1.396		1.465	2.77
48)		3-Nitroaniline		0.261	0.262	0.262	0.259	0.215	0.252	8.20
49)	C	Acenaphthene	0.982	0.984	1.005	1.033	1.014		1.004	2.12
50)		2,4-Dinitrophenol		0.135	0.169	0.201	0.218	0.222	0.189	19.42
51)	S	4-Nitrophenol-d4		0.219	0.240	0.239	0.248	0.236	0.236	4.57

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		Compound	5	10	20	40	80	160	Avg	%RSD
52)		4-Nitrophenol		0.269	0.279	0.298	0.296	0.281	0.284	4.28
53)		Dibenzofuran	1.656	1.604	1.599	1.585	1.492		1.587	3.74
54)		2,4-Dinitrotoluen	0.432	0.435	0.443	0.450	0.430		0.438	1.89
55)		2,3,4,6-Tetrachlo	0.416	0.438	0.442	0.444	0.452		0.439	3.11
56)		Diethylphthalate	1.489	1.456	1.467	1.414	1.333		1.432	4.31
57)	S	Fluorene-d10	1.323	1.335	1.320	1.276	1.221		1.295	3.65
58)		Fluorene	1.300	1.319	1.320	1.284	1.237		1.292	2.63
59)		4-Chlorophenyl-ph	0.747	0.728	0.733	0.733	0.697		0.728	2.54
60)		4-Nitroaniline		0.342	0.302	0.300	0.302	0.271	0.303	8.31
61)	I	Phenanthrene-d10	----------ISTD----------							
62)	S	4,6-Dinitro-2-met		0.108	0.118	0.125	0.134	0.134	0.124	9.07
63)		4,6-Dinitro-2-met		0.109	0.123	0.133	0.137	0.139	0.128	9.68
64)		N-Nitrosodiphenyl	0.511	0.520	0.525	0.517	0.499		0.515	1.92
65)		4-Bromophenyl-phe	0.213	0.225	0.226	0.235	0.230		0.226	3.60
66)		Hexachlorobenzene	0.247	0.243	0.261	0.261	0.260		0.254	3.43
67)		Atrazine		0.260	0.252	0.249	0.239	0.223	0.245	5.76
68)	C	Pentachlorophenol		0.134	0.147	0.158	0.160	0.164	0.153	7.87
69)		Phenanthrene	0.976	0.977	1.004	0.944	0.872		0.955	5.35
70)	S	Anthracene-d10	0.874	0.862	0.869	0.838	0.778		0.844	4.68
71)		Anthracene	0.994	1.023	1.039	0.978	0.873		0.981	6.61
72)		Carbazole		0.924	0.888	0.850	0.786	0.646	0.819	13.35
73)		Di-n-butylphthala	1.081	1.092	1.083	1.016	0.896		1.034	7.99
74)	C	Fluoranthene		1.358	1.288	1.203	1.042	0.780	1.134	20.33
75)	I	Chrysene-d12	----------ISTD----------							
76)	S	Pyrene-d10	0.845	0.858	0.845	0.817	0.754		0.824	5.07
77)		Pyrene	1.021	1.012	1.008	0.940	0.825		0.961	8.61
78)		Butylbenzylphthal	0.370	0.365	0.393	0.383	0.371		0.376	3.00
79)		3,3'-Dichlorobenz		0.357	0.365	0.370	0.360	0.291	0.349	9.28
80)		Benzo(a)anthracen	1.075	1.076	1.074	1.033	0.937		1.039	5.79
81)		Bis(2-ethylhexyl)	0.515	0.501	0.532	0.537	0.506		0.518	3.08
82)		Chrysene	0.993	1.013	1.001	0.970	0.883		0.972	5.40
83)	I	Perylene-d12	----------ISTD----------							
84)		Di-n-octyl phthal		0.859	0.877	0.871	0.804	0.650	0.812	11.73
85)		Benzo(b)fluoranth	0.961	0.995	1.025	1.021	0.957		0.992	3.24
86)		Benzo(k)fluoranth	0.920	0.959	0.970	0.958	0.907		0.943	2.91
87)	S	Benzo(a)pyrene-d1	0.775	0.794	0.833	0.840	0.810		0.810	3.35
88)	C	Benzo(a)pyrene	0.945	0.954	0.982	0.967	0.920		0.954	2.46
89)		Indeno(1,2,3-cd)p	1.120	1.153	1.202	1.230	1.220		1.185	3.97
90)		Dibenzo(a,h)anthr	0.983	0.985	1.006	1.017	1.002		0.998	1.44
91)		Benzo(g,h,i)peryl	0.959	0.971	1.002	1.013	1.000		0.989	2.31

(#) = Out of Range