

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG082217\  
 Data File : BG028426.D  
 Acq On : 22 Aug 2017 19:58  
 Operator : SJ/JU  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 LabSampleId :  
 SSTD02079

Quant Time: Aug 23 06:56:25 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\SOM-EPA-BG080217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Aug 23 02:58:29 2017  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 150%

|      | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 143   | 0.00     |
| 2    | 1,4-Dioxane                 | 0.451 | 0.453 | -0.4  | 148   | 0.00     |
| 3 S  | 1,4-Dioxane-d8              | 0.429 | 0.367 | 14.5  | 135   | 0.00     |
| 4    | Benzaldehyde                | 1.269 | 1.190 | 6.2   | 125   | 0.00     |
| 5 S  | Phenol-d5                   | 2.197 | 1.917 | 12.7  | 131   | 0.00     |
| 6    | Phenol                      | 2.183 | 1.839 | 15.8  | 125   | 0.00     |
| 7 S  | Bis-(2-Chloroethyl)ether-d8 | 1.391 | 1.117 | 19.7  | 115   | 0.00     |
| 8    | Bis(2-Chloroethyl)ether     | 1.487 | 1.232 | 17.1  | 120   | 0.00     |
| 9 S  | 2-Chlorophenol-d4           | 1.386 | 1.290 | 6.9   | 130   | 0.00     |
| 10   | 2-Chlorophenol              | 1.350 | 1.218 | 9.8   | 130   | 0.00     |
| 11   | 2-Methylphenol              | 1.541 | 1.371 | 11.0  | 129   | 0.00     |
| 12   | 2,2'-oxybis(1-Chloropropane | 3.610 | 2.646 | 26.7# | 102   | 0.00     |
| 13 S | 4-Methylphenol-d8           | 1.836 | 1.576 | 14.2  | 123   | 0.00     |
| 14   | Acetophenone                | 2.618 | 2.245 | 14.2  | 120   | 0.00     |
| 15 P | N-Nitroso-di-n-propylamine  | 1.488 | 1.296 | 12.9  | 119   | 0.00     |
| 16   | 4-Methylphenol              | 1.740 | 1.494 | 14.1  | 123   | 0.00     |
| 17   | Hexachloroethane            | 0.560 | 0.517 | 7.7   | 130   | 0.00     |
| 18 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0   | 130   | 0.00     |
| 19 S | Nitrobenzene-d5             | 0.156 | 0.153 | 1.9   | 128   | 0.00     |
| 20   | Nitrobenzene                | 0.453 | 0.432 | 4.6   | 126   | 0.00     |
| 21   | Isophorone                  | 0.860 | 0.787 | 8.5   | 119   | 0.00     |
| 22 S | 2-Nitrophenol-d4            | 0.171 | 0.191 | -11.7 | 145   | 0.00     |
| 23 C | 2-Nitrophenol               | 0.173 | 0.183 | -5.8  | 136   | 0.00     |
| 24   | 2,4-Dimethylphenol          | 0.430 | 0.422 | 1.9   | 126   | 0.00     |
| 25   | Bis(2-Chloroethoxy)methane  | 0.469 | 0.429 | 8.5   | 117   | 0.00     |
| 26 S | 2,4-Dichlorophenol-d3       | 0.355 | 0.374 | -5.4  | 140   | 0.00     |
| 27 C | 2,4-Dichlorophenol          | 0.323 | 0.341 | -5.6  | 141   | 0.00     |
| 28   | Naphthalene                 | 0.991 | 0.975 | 1.6   | 128   | 0.00     |
| 29 S | 4-Chloroaniline-d4          | 0.395 | 0.432 | -9.4  | 127   | 0.00     |
| 30   | 4-Chloroaniline             | 0.383 | 0.408 | -6.5  | 124   | 0.00     |
| 31 C | Hexachlorobutadiene         | 0.238 | 0.246 | -3.4  | 138   | 0.00     |
| 32   | Caprolactam                 | 0.134 | 0.134 | 0.0   | 131   | 0.00     |
| 33 C | 4-Chloro-3-methylphenol     | 0.412 | 0.432 | -4.9  | 135   | 0.00     |
| 34   | 2-Methylnaphthalene         | 0.796 | 0.804 | -1.0  | 132   | 0.00     |
| 35 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0   | 130   | 0.00     |
| 36   | 1,2,4,5-Tetrachlorobenzene  | 0.645 | 0.675 | -4.7  | 142   | 0.00     |
| 37   | Hexachlorocyclopentadiene   | 0.356 | 0.252 | 29.2# | 105   | 0.00     |
| 38 C | 2,4,6-Trichlorophenol       | 0.402 | 0.465 | -15.7 | 152#  | 0.00     |
| 39   | 2,4,5-Trichlorophenol       | 0.438 | 0.485 | -10.7 | 146   | 0.00     |
| 40   | 1,1'-Biphenyl               | 1.461 | 1.405 | 3.8   | 128   | 0.00     |
| 41   | 2-Chloronaphthalene         | 1.154 | 1.140 | 1.2   | 130   | 0.00     |
| 42   | 2-Nitroaniline              | 0.484 | 0.468 | 3.3   | 121   | 0.00     |
| 43 S | Dimethylphthalate-d6        | 1.779 | 1.666 | 6.4   | 121   | 0.00     |
| 44   | Dimethylphthalate           | 1.638 | 1.535 | 6.3   | 123   | 0.00     |

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Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 150%

|      | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 45   | 2,6-Dinitrotoluene          | 0.338 | 0.356 | -5.3  | 133   | 0.00     |
| 46 S | Acenaphthylene-d8           | 2.006 | 2.006 | 0.0   | 132   | 0.00     |
| 47   | Acenaphthylene              | 1.917 | 1.860 | 3.0   | 127   | 0.00     |
| 48   | 3-Nitroaniline              | 0.305 | 0.309 | -1.3  | 128   | 0.00     |
| 49 C | Acenaphthene                | 1.293 | 1.256 | 2.9   | 125   | 0.00     |
| 50   | 2,4-Dinitrophenol           | 0.191 | 0.159 | 16.8  | 128   | 0.00     |
| 51 S | 4-Nitrophenol-d4            | 0.283 | 0.244 | 13.8  | 115   | 0.00     |
| 52   | 4-Nitrophenol               | 0.293 | 0.244 | 16.7  | 108   | 0.00     |
| 53   | Dibenzofuran                | 1.886 | 1.842 | 2.3   | 128   | 0.00     |
| 54   | 2,4-Dinitrotoluene          | 0.512 | 0.511 | 0.2   | 129   | 0.00     |
| 55   | 2,3,4,6-Tetrachlorophenol   | 0.408 | 0.460 | -12.7 | 148   | 0.00     |
| 56   | Diethylphthalate            | 1.921 | 1.697 | 11.7  | 117   | 0.00     |
| 57 S | Fluorene-d10                | 1.596 | 1.550 | 2.9   | 128   | 0.00     |
| 58   | Fluorene                    | 1.669 | 1.600 | 4.1   | 127   | 0.00     |
| 59   | 4-Chlorophenyl-phenylether  | 0.896 | 0.892 | 0.4   | 134   | 0.00     |
| 60   | 4-Nitroaniline              | 0.361 | 0.307 | 15.0  | 113   | 0.00     |
| 61 I | Phenanthrene-d10            | 1.000 | 1.000 | 0.0   | 120   | 0.00     |
| 62 S | 4,6-Dinitro-2-methylphenol- | 0.130 | 0.124 | 4.6   | 129   | 0.00     |
| 63   | 4,6-Dinitro-2-methylphenol  | 0.132 | 0.120 | 9.1   | 122   | 0.00     |
| 64   | N-Nitrosodiphenylamine      | 0.526 | 0.542 | -3.0  | 125   | 0.00     |
| 65   | 4-Bromophenyl-phenylether   | 0.215 | 0.244 | -13.5 | 138   | 0.00     |
| 66   | Hexachlorobenzene           | 0.229 | 0.254 | -10.9 | 138   | 0.00     |
| 67   | Atrazine                    | 0.229 | 0.232 | -1.3  | 123   | 0.00     |
| 68 C | Pentachlorophenol           | 0.116 | 0.112 | 3.4   | 137   | 0.00     |
| 69   | Phenanthrene                | 1.007 | 0.990 | 1.7   | 120   | 0.00     |
| 70 S | Anthracene-d10              | 0.959 | 0.946 | 1.4   | 123   | 0.00     |
| 71   | Anthracene                  | 1.029 | 1.029 | 0.0   | 123   | 0.00     |
| 72   | Carbazole                   | 0.895 | 0.852 | 4.8   | 117   | 0.00     |
| 73   | Di-n-butylphthalate         | 1.114 | 1.073 | 3.7   | 116   | 0.00     |
| 74 C | Fluoranthene                | 1.223 | 1.182 | 3.4   | 116   | 0.00     |
| 75 I | Chrysene-d12                | 1.000 | 1.000 | 0.0   | 127   | 0.00     |
| 76 S | Pyrene-d10                  | 1.026 | 0.954 | 7.0   | 116   | 0.00     |
| 77   | Pyrene                      | 1.193 | 1.087 | 8.9   | 115   | 0.00     |
| 78   | Butylbenzylphthalate        | 0.447 | 0.433 | 3.1   | 124   | 0.00     |
| 79   | 3,3'-Dichlorobenzidine      | 0.386 | 0.397 | -2.8  | 128   | 0.00     |
| 80   | Benzo(a)anthracene          | 1.156 | 1.117 | 3.4   | 124   | 0.00     |
| 81   | Bis(2-ethylhexyl)phthalate  | 0.636 | 0.616 | 3.1   | 126   | 0.00     |
| 82   | Chrysene                    | 1.041 | 0.991 | 4.8   | 121   | 0.00     |
| 83 I | Perylene-d12                | 1.000 | 1.000 | 0.0   | 132   | 0.00     |
| 84   | Di-n-octyl phthalate        | 1.199 | 1.091 | 9.0   | 124   | 0.00     |
| 85   | Benzo(b)fluoranthene        | 1.197 | 1.162 | 2.9   | 132   | 0.00     |
| 86   | Benzo(k)fluoranthene        | 1.169 | 1.118 | 4.4   | 125   | 0.00     |
| 87 S | Benzo(a)pyrene-d12          | 0.936 | 0.919 | 1.8   | 131   | 0.00     |

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|------|------------------------|-------|-------|------|-------|----------|
| 88 C | Benzo(a)pyrene         | 1.159 | 1.121 | 3.3  | 130   | 0.00     |
| 89   | Indeno(1,2,3-cd)pyrene | 1.357 | 1.345 | 0.9  | 136   | 0.00     |
| 90   | Dibenzo(a,h)anthracene | 1.137 | 1.135 | 0.2  | 136   | 0.00     |
| 91   | Benzo(g,h,i)perylene   | 1.116 | 1.107 | 0.8  | 134   | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0