

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM062716\  
 Data File : BM006071.D  
 Acq On : 27 Jun 2016 15:21  
 Operator : UM/SJ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 LabSampleId :  
 SSTD02039

Quant Time: Jun 28 02:12:40 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM062516.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 28 02:11:41 2016  
 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    | 189#  | 0.00     |
| 2 S  | 1,4-Dioxane-d8              | 0.448 | 0.405 | 9.6    | 167#  | 0.00     |
| 3 S  | Phenol-d5                   | 2.104 | 1.960 | 6.8    | 178#  | 0.00     |
| 4 S  | Bis-(2-Chloroethyl)ether-d8 | 1.170 | 1.128 | 3.6    | 179#  | 0.00     |
| 5 S  | 2-Chlorophenol-d4           | 1.465 | 1.439 | 1.8    | 184#  | 0.00     |
| 6 S  | 4-Methylphenol-d8           | 1.776 | 1.633 | 8.1    | 175#  | 0.00     |
| 7 I  | Naphthalene-d8              | 1.000 | 1.000 | 0.0    | 181#  | 0.00     |
| 8 S  | Nitrobenzene-d5             | 0.152 | 0.152 | 0.0    | 179#  | 0.00     |
| 9 S  | 2-Nitrophenol-d4            | 0.169 | 0.161 | 4.7    | 169#  | 0.00     |
| 10 S | 2,4-Dichlorophenol-d3       | 0.325 | 0.330 | -1.5   | 181#  | 0.00     |
| 11   | Naphthalene                 | 0.999 | 1.015 | -1.6   | 181#  | 0.00     |
| 12 S | 4-Chloroaniline-d4          | 0.353 | 0.414 | -17.3  | 170#  | 0.00     |
| 13   | 2-Methylnaphthalene         | 0.804 | 0.803 | 0.1    | 176#  | 0.00     |
| 14   | 1-Methylnaphthalene         | 0.770 | 0.755 | 1.9    | 173#  | 0.00     |
| 15 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0    | 161#  | 0.00     |
| 16 S | Dimethylphthalate-d6        | 1.712 | 1.598 | 6.7    | 150#  | 0.00     |
| 17 S | Acenaphthylene-d8           | 1.986 | 2.052 | -3.3   | 164#  | 0.00     |
| 18   | Acenaphthylene              | 2.094 | 2.152 | -2.8   | 162#  | 0.00     |
| 19 C | Acenaphthene                | 1.330 | 1.375 | -3.4   | 166#  | 0.00     |
| 20 S | 4-Nitrophenol-d4            | 0.365 | 0.325 | 11.0   | 135   | 0.00     |
| 21 S | Fluorene-d10                | 1.462 | 1.444 | 1.2    | 157#  | 0.00     |
| 22   | Fluorene                    | 1.602 | 1.567 | 2.2    | 153#  | 0.00     |
| 23 I | Phenanthrene-d10            | 1.000 | 1.000 | 0.0    | 148   | 0.00     |
| 24 S | 4,6-Dinitro-2-methylphenol- | 0.111 | 0.089 | 19.8   | 114   | 0.00     |
| 25   | Phenanthrene                | 1.076 | 1.103 | -2.5   | 150   | 0.00     |
| 26 S | Anthracene-d10              | 0.919 | 0.949 | -3.3   | 149   | 0.00     |
| 27   | Anthracene                  | 1.111 | 1.137 | -2.3   | 148   | 0.00     |
| 28 C | Fluoranthene                | 1.378 | 1.348 | 2.2    | 139   | 0.00     |
| 29 I | Chrysene-d12                | 1.000 | 1.000 | 0.0    | 117   | 0.00     |
| 30 S | Pyrene-d10                  | 0.876 | 1.059 | -20.9# | 138   | 0.00     |
| 31   | Pyrene                      | 1.145 | 1.379 | -20.4# | 136   | 0.00     |
| 32   | Benzo(a)anthracene          | 1.188 | 1.229 | -3.5   | 118   | 0.00     |
| 33   | Chrysene                    | 1.085 | 1.132 | -4.3   | 118   | 0.00     |
| 34 I | Perylene-d12                | 1.000 | 1.000 | 0.0    | 91    | 0.00     |
| 35   | Benzo(b)fluoranthene        | 1.162 | 1.283 | -10.4  | 99    | 0.00     |
| 36   | Benzo(k)fluoranthene        | 1.081 | 1.192 | -10.3  | 96    | 0.00     |
| 37 S | Benzo(a)pyrene-d12          | 0.903 | 0.941 | -4.2   | 92    | 0.00     |
| 38 C | Benzo(a)pyrene              | 1.114 | 1.151 | -3.3   | 92    | 0.00     |
| 39   | Indeno(1,2,3-cd)pyrene      | 1.328 | 1.195 | 10.0   | 79    | -0.02    |
| 40   | Dibenzo(a,h)anthracene      | 1.104 | 1.003 | 9.1    | 79    | -0.02    |
| 41   | Benzo(g,h,i)perylene        | 1.149 | 1.019 | 11.3   | 78    | -0.02    |

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| Compound | AvgRF | CCRF | %Dev Area | % Dev(min) |
|----------|-------|------|-----------|------------|
|----------|-------|------|-----------|------------|

(#) = Out of Range

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