

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM062816\  
 Data File : BM006092.D  
 Acq On : 28 Jun 2016 12:31  
 Operator : UM/SJ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02046

Quant Time: Jun 28 13:24:25 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

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 199294   | 20.00 | ng/ul | 0.00     |
| 7) Naphthalene-d8         | 10.44 | 136  | 974856   | 20.00 | ng/ul | 0.00     |
| 15) Acenaphthene-d10      | 14.30 | 164  | 634115   | 20.00 | ng/ul | 0.00     |
| 23) Phenanthrene-d10      | 17.06 | 188  | 1525940  | 20.00 | ng/ul | 0.00     |
| 29) Chrysene-d12          | 21.25 | 240  | 1750329  | 20.00 | ng/ul | 0.00     |
| 34) Perylene-d12          | 23.47 | 264  | 1911502  | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |         |       |       |       |
|--------------------------------|-------|-----|---------|-------|-------|-------|
| 2) 1,4-Dioxane-d8              | 3.16  | 96  | 26512   | 5.94  | ng/uL | -0.01 |
| 3) Phenol-d5                   | 6.83  | 99  | 279196  | 13.32 | ng/ul | 0.00  |
| 4) Bis-(2-Chloroethyl)ether-d  | 6.99  | 67  | 167563  | 14.37 | ng/ul | 0.00  |
| 5) 2-Chlorophenol-d4           | 7.19  | 132 | 206819  | 14.16 | ng/ul | 0.00  |
| 6) 4-Methylphenol-d8           | 8.36  | 113 | 225684  | 12.75 | ng/ul | 0.00  |
| 8) Nitrobenzene-d5             | 8.81  | 128 | 107068  | 14.43 | ng/ul | 0.00  |
| 9) 2-Nitrophenol-d4            | 9.53  | 143 | 123344  | 14.94 | ng/ul | 0.00  |
| 10) 2,4-Dichlorophenol-d3      | 10.06 | 165 | 227844  | 14.38 | ng/ul | 0.00  |
| 12) 4-Chloroaniline-d4         | 10.57 | 131 | 198642  | 11.56 | ng/ul | 0.00  |
| 16) Dimethylphthalate-d6       | 13.72 | 166 | 733327  | 13.51 | ng/ul | 0.00  |
| 17) Acenaphthylene-d8          | 14.00 | 160 | 896726  | 14.24 | ng/ul | 0.00  |
| 20) 4-Nitrophenol-d4           | 14.52 | 143 | 144161  | 12.45 | ng/ul | -0.01 |
| 21) Fluorene-d10               | 15.30 | 176 | 627504  | 13.54 | ng/ul | 0.00  |
| 24) 4,6-Dinitro-2-methylphenol | 15.43 | 200 | 59801   | 7.06  | ng/ul | 0.00  |
| 26) Anthracene-d10             | 17.15 | 188 | 993846  | 14.18 | ng/ul | 0.00  |
| 30) Pyrene-d10                 | 19.45 | 212 | 1150184 | 15.00 | ng/ul | 0.00  |
| 37) Benzo(a)pyrene-d12         | 23.33 | 264 | 1216916 | 14.10 | ng/ul | -0.01 |

## Target Compounds

|                            |       |     |         |       |       | Qvalue |
|----------------------------|-------|-----|---------|-------|-------|--------|
| 11) Naphthalene            | 10.49 | 128 | 700723  | 14.39 | ng/ul | 99     |
| 13) 2-Methylnaphthalene    | 12.11 | 142 | 545513  | 13.92 | ng/ul | 98     |
| 14) 1-Methylnaphthalene    | 12.33 | 142 | 514688  | 13.72 | ng/ul | 99     |
| 18) Acenaphthylene         | 14.03 | 152 | 935398  | 14.09 | ng/ul | 100    |
| 19) Acenaphthene           | 14.37 | 153 | 593999  | 14.09 | ng/ul | 99     |
| 22) Fluorene               | 15.36 | 166 | 696085  | 13.70 | ng/ul | 97     |
| 25) Phenanthrene           | 17.10 | 178 | 1168149 | 14.23 | ng/ul | 100    |
| 27) Anthracene             | 17.19 | 178 | 1216712 | 14.36 | ng/ul | 99     |
| 28) Fluoranthene           | 19.12 | 202 | 1463219 | 13.92 | ng/ul | 99     |
| 31) Pyrene                 | 19.49 | 202 | 1511807 | 15.09 | ng/ul | 96     |
| 32) Benzo(a)anthracene     | 21.23 | 228 | 1482421 | 14.26 | ng/ul | 99     |
| 33) Chrysene               | 21.29 | 228 | 1384091 | 14.57 | ng/ul | 99     |
| 35) Benzo(b)fluoranthene   | 22.80 | 252 | 1568463 | 14.12 | ng/ul | 98     |
| 36) Benzo(k)fluoranthene   | 22.84 | 252 | 1530867 | 14.82 | ng/ul | 99     |
| 38) Benzo(a)pyrene         | 23.37 | 252 | 1527594 | 14.35 | ng/ul | 98     |
| 39) Indeno(1,2,3-cd)pyrene | 25.69 | 276 | 1633149 | 12.86 | ng/ul | 98     |
| 40) Dibenzo(a,h)anthracene | 25.70 | 278 | 1365496 | 12.94 | ng/ul | 98     |
| 41) Benzo(g,h,i)perylene   | 26.37 | 276 | 1349698 | 12.29 | ng/ul | 98     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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