

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM070116\  
 Data File : BM006174.D  
 Acq On : 01 Jul 2016 09:48  
 Operator : UM/SJ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02057

Quant Time: Jul 01 17:31:22 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM062816.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jun 29 00:57:09 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 270343   | 20.00 | ng/ul | 0.00     |
| 7) Naphthalene-d8         | 10.44 | 136  | 1287453  | 20.00 | ng/ul | 0.00     |
| 15) Acenaphthene-d10      | 14.31 | 164  | 812145   | 20.00 | ng/ul | 0.00     |
| 23) Phenanthrene-d10      | 17.06 | 188  | 1884666  | 20.00 | ng/ul | 0.01     |
| 29) Chrysene-d12          | 21.26 | 240  | 1744633  | 20.00 | ng/ul | 0.01     |
| 34) Perylene-d12          | 23.49 | 264  | 1554271  | 20.00 | ng/ul | 0.02     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 2) 1,4-Dioxane-d8              | 3.17  | 96  | 38013   | 6.53  | ng/uL | 0.00 |
| 3) Phenol-d5                   | 6.84  | 99  | 369603  | 16.73 | ng/ul | 0.01 |
| 4) Bis-(2-Chloroethyl)ether-d  | 7.00  | 67  | 225286  | 17.30 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4           | 7.19  | 132 | 275693  | 16.26 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8           | 8.37  | 113 | 301497  | 16.96 | ng/ul | 0.01 |
| 8) Nitrobenzene-d5             | 8.82  | 128 | 142891  | 16.48 | ng/ul | 0.01 |
| 9) 2-Nitrophenol-d4            | 9.53  | 143 | 166672  | 16.79 | ng/ul | 0.01 |
| 10) 2,4-Dichlorophenol-d3      | 10.07 | 165 | 296797  | 16.39 | ng/ul | 0.01 |
| 12) 4-Chloroaniline-d4         | 10.58 | 131 | 221451  | 15.47 | ng/ul | 0.00 |
| 16) Dimethylphthalate-d6       | 13.72 | 166 | 954051  | 16.39 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8          | 14.00 | 160 | 1151647 | 16.30 | ng/ul | 0.01 |
| 20) 4-Nitrophenol-d4           | 14.53 | 143 | 185153  | 16.76 | ng/ul | 0.02 |
| 21) Fluorene-d10               | 15.31 | 176 | 808052  | 16.27 | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.44 | 200 | 168556  | 25.25 | ng/ul | 0.02 |
| 26) Anthracene-d10             | 17.16 | 188 | 1248822 | 16.52 | ng/ul | 0.01 |
| 30) Pyrene-d10                 | 19.46 | 212 | 1346279 | 19.16 | ng/ul | 0.01 |
| 37) Benzo(a)pyrene-d12         | 23.34 | 264 | 1006236 | 16.27 | ng/ul | 0.02 |

## Target Compounds

|                            |       |     |         |       |       | Qvalue |
|----------------------------|-------|-----|---------|-------|-------|--------|
| 11) Naphthalene            | 10.49 | 128 | 925035  | 16.41 | ng/ul | 99     |
| 13) 2-Methylnaphthalene    | 12.11 | 142 | 709635  | 16.57 | ng/ul | 97     |
| 14) 1-Methylnaphthalene    | 12.33 | 142 | 669723  | 16.45 | ng/ul | 99     |
| 18) Acenaphthylene         | 14.03 | 152 | 1218463 | 16.47 | ng/ul | 100    |
| 19) Acenaphthene           | 14.37 | 153 | 773978  | 16.40 | ng/ul | 98     |
| 22) Fluorene               | 15.36 | 166 | 894132  | 16.65 | ng/ul | 99     |
| 25) Phenanthrene           | 17.10 | 178 | 1474158 | 16.53 | ng/ul | 100    |
| 27) Anthracene             | 17.20 | 178 | 1521552 | 16.60 | ng/ul | 100    |
| 28) Fluoranthene           | 19.13 | 202 | 1722746 | 15.77 | ng/ul | 99     |
| 31) Pyrene                 | 19.49 | 202 | 1765933 | 19.19 | ng/ul | 96     |
| 32) Benzo(a)anthracene     | 21.24 | 228 | 1475990 | 16.27 | ng/ul | 100    |
| 33) Chrysene               | 21.30 | 228 | 1370047 | 16.40 | ng/ul | 99     |
| 35) Benzo(b)fluoranthene   | 22.81 | 252 | 1306134 | 16.19 | ng/ul | 98     |
| 36) Benzo(k)fluoranthene   | 22.86 | 252 | 1300161 | 17.18 | ng/ul | 99     |
| 38) Benzo(a)pyrene         | 23.39 | 252 | 1239364 | 16.26 | ng/ul | 99     |
| 39) Indeno(1,2,3-cd)pyrene | 25.71 | 276 | 1321164 | 16.68 | ng/ul | 95     |
| 40) Dibenzo(a,h)anthracene | 25.72 | 278 | 1105083 | 16.86 | ng/ul | 97     |
| 41) Benzo(g,h,i)perylene   | 26.40 | 276 | 1126268 | 16.99 | ng/ul | 97     |

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

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