

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM062716\  
 Data File : BM006090.D  
 Acq On : 28 Jun 2016 03:22  
 Operator : UM/SJ  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02041

Quant Time: Jun 28 04:18:49 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  | 293003   | 20.00 | ng/ul | 0.00     |
| 7) Naphthalene-d8         | 10.45 | 136  | 1427050  | 20.00 | ng/ul | 0.00     |
| 15) Acenaphthene-d10      | 14.32 | 164  | 883090   | 20.00 | ng/ul | 0.00     |
| 23) Phenanthrene-d10      | 17.07 | 188  | 2110178  | 20.00 | ng/ul | 0.00     |
| 29) Chrysene-d12          | 21.26 | 240  | 1881280  | 20.00 | ng/ul | 0.00     |
| 34) Perylene-d12          | 23.49 | 264  | 1722573  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 2) 1,4-Dioxane-d8              | 3.18  | 96  | 45406   | 6.92  | ng/uL | 0.00 |
| 3) Phenol-d5                   | 6.84  | 99  | 562269  | 18.24 | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl)ether-d  | 7.00  | 67  | 325892  | 19.00 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4           | 7.20  | 132 | 421725  | 19.64 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8           | 8.37  | 113 | 462887  | 17.79 | ng/ul | 0.00 |
| 8) Nitrobenzene-d5             | 8.82  | 128 | 223239  | 20.55 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4            | 9.53  | 143 | 238241  | 19.71 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3      | 10.07 | 165 | 461905  | 19.92 | ng/ul | 0.01 |
| 12) 4-Chloroaniline-d4         | 10.59 | 131 | 573368  | 22.79 | ng/ul | 0.00 |
| 16) Dimethylphthalate-d6       | 13.73 | 166 | 1370969 | 18.14 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8          | 14.00 | 160 | 1802338 | 20.56 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4           | 14.53 | 143 | 281351  | 17.45 | ng/ul | 0.00 |
| 21) Fluorene-d10               | 15.31 | 176 | 1249657 | 19.36 | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.44 | 200 | 119348  | 10.19 | ng/ul | 0.00 |
| 26) Anthracene-d10             | 17.16 | 188 | 1999714 | 20.63 | ng/ul | 0.00 |
| 30) Pyrene-d10                 | 19.47 | 212 | 2206985 | 26.78 | ng/ul | 0.01 |
| 37) Benzo(a)pyrene-d12         | 23.34 | 264 | 1592840 | 20.48 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |         |       |       | Qvalue |
|----------------------------|-------|-----|---------|-------|-------|--------|
| 11) Naphthalene            | 10.50 | 128 | 1435974 | 20.14 | ng/ul | 99     |
| 13) 2-Methylnaphthalene    | 12.12 | 142 | 1095455 | 19.10 | ng/ul | 99     |
| 14) 1-Methylnaphthalene    | 12.34 | 142 | 1043613 | 19.00 | ng/ul | 99     |
| 18) Acenaphthylene         | 14.03 | 152 | 1887952 | 20.42 | ng/ul | 99     |
| 19) Acenaphthene           | 14.38 | 153 | 1190244 | 20.27 | ng/ul | 99     |
| 22) Fluorene               | 15.37 | 166 | 1327455 | 18.77 | ng/ul | 98     |
| 25) Phenanthrene           | 17.11 | 178 | 2324353 | 20.48 | ng/ul | 99     |
| 27) Anthracene             | 17.20 | 178 | 2391172 | 20.40 | ng/ul | 100    |
| 28) Fluoranthene           | 19.13 | 202 | 2807438 | 19.31 | ng/ul | 99     |
| 31) Pyrene                 | 19.50 | 202 | 2822301 | 26.21 | ng/ul | 95     |
| 32) Benzo(a)anthracene     | 21.24 | 228 | 2294801 | 20.53 | ng/ul | 99     |
| 33) Chrysene               | 21.30 | 228 | 2136823 | 20.93 | ng/ul | 99     |
| 35) Benzo(b)fluoranthene   | 22.82 | 252 | 2171560 | 21.70 | ng/ul | 98     |
| 36) Benzo(k)fluoranthene   | 22.86 | 252 | 1930563 | 20.74 | ng/ul | 98     |
| 38) Benzo(a)pyrene         | 23.39 | 252 | 1953586 | 20.36 | ng/ul | 98     |
| 39) Indeno(1,2,3-cd)pyrene | 25.72 | 276 | 2197126 | 19.21 | ng/ul | 94     |
| 40) Dibenzo(a,h)anthracene | 25.73 | 278 | 1822618 | 19.16 | ng/ul | 97     |
| 41) Benzo(g,h,i)perylene   | 26.40 | 276 | 1910298 | 19.31 | ng/ul | 97     |

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

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