

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM061516\  
 Data File : BM005787.D  
 Acq On : 14 Jun 2016 16:26  
 Operator : UM/SJ  
 Sample : SSTD02036  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02036

Quant Time: Jun 15 01:19:25 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM061516.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Wed Jun 15 01:18:34 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.74  | 152  | 88941    | 20.00 | ng/ul | 0.00     |
| 7) Naphthalene-d8         | 10.53 | 136  | 430451   | 20.00 | ng/ul | 0.00     |
| 15) Acenaphthene-d10      | 14.39 | 164  | 225071   | 20.00 | ng/ul | 0.00     |
| 23) Phenanthrene-d10      | 17.13 | 188  | 407734   | 20.00 | ng/ul | 0.00     |
| 29) Chrysene-d12          | 21.32 | 240  | 423567   | 20.00 | ng/ul | 0.00     |
| 34) Perylene-d12          | 23.57 | 264  | 445487   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 2) 1,4-Dioxane-d8              | 3.19  | 96  | 15265  | 7.50  | ng/uL | 0.00 |
| 3) Phenol-d5                   | 6.92  | 99  | 147377 | 19.36 | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl)ether-d  | 7.08  | 67  | 90192  | 19.74 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4           | 7.28  | 132 | 122861 | 19.90 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8           | 8.46  | 113 | 127473 | 19.77 | ng/ul | 0.00 |
| 8) Nitrobenzene-d5             | 8.90  | 128 | 63063  | 20.36 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4            | 9.62  | 143 | 70527  | 20.30 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3      | 10.16 | 165 | 130915 | 20.50 | ng/ul | 0.00 |
| 12) 4-Chloroaniline-d4         | 10.68 | 131 | 159888 | 21.51 | ng/ul | 0.00 |
| 16) Dimethylphthalate-d6       | 13.79 | 166 | 365100 | 19.77 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8          | 14.08 | 160 | 457032 | 20.16 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4           | 14.62 | 143 | 34842  | 13.87 | ng/ul | 0.00 |
| 21) Fluorene-d10               | 15.38 | 176 | 286398 | 18.61 | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.53 | 200 | 33181  | 16.37 | ng/ul | 0.00 |
| 26) Anthracene-d10             | 17.23 | 188 | 375666 | 19.69 | ng/ul | 0.00 |
| 30) Pyrene-d10                 | 19.53 | 212 | 390757 | 19.24 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12         | 23.43 | 264 | 405600 | 19.97 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |        |       |       | Qvalue |
|----------------------------|-------|-----|--------|-------|-------|--------|
| 11) Naphthalene            | 10.58 | 128 | 420944 | 19.59 | ng/ul | 100    |
| 13) 2-Methylnaphthalene    | 12.20 | 142 | 303933 | 19.00 | ng/ul | 100    |
| 14) 1-Methylnaphthalene    | 12.42 | 142 | 299675 | 18.95 | ng/ul | 100    |
| 18) Acenaphthylene         | 14.11 | 152 | 456041 | 19.73 | ng/ul | 100    |
| 19) Acenaphthene           | 14.45 | 153 | 296598 | 19.70 | ng/ul | 100    |
| 22) Fluorene               | 15.44 | 166 | 310836 | 18.46 | ng/ul | 100    |
| 25) Phenanthrene           | 17.17 | 178 | 443165 | 19.93 | ng/ul | 100    |
| 27) Anthracene             | 17.26 | 178 | 444295 | 19.80 | ng/ul | 100    |
| 28) Fluoranthene           | 19.19 | 202 | 485571 | 18.87 | ng/ul | 100    |
| 31) Pyrene                 | 19.55 | 202 | 497139 | 19.37 | ng/ul | 100    |
| 32) Benzo(a)anthracene     | 21.30 | 228 | 490896 | 20.05 | ng/ul | 100    |
| 33) Chrysene               | 21.35 | 228 | 471424 | 19.66 | ng/ul | 100    |
| 35) Benzo(b)fluoranthene   | 22.89 | 252 | 531560 | 19.98 | ng/ul | 100    |
| 36) Benzo(k)fluoranthene   | 22.93 | 252 | 482585 | 18.46 | ng/ul | 100    |
| 38) Benzo(a)pyrene         | 23.47 | 252 | 498128 | 19.84 | ng/ul | 100    |
| 39) Indeno(1,2,3-cd)pyrene | 25.86 | 276 | 581092 | 22.84 | ng/ul | 100    |
| 40) Dibenzo(a,h)anthracene | 25.86 | 278 | 489398 | 22.96 | ng/ul | 100    |
| 41) Benzo(g,h,i)perylene   | 26.56 | 276 | 501864 | 23.28 | ng/ul | 100    |

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

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