

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM061616\  
 Data File : BM005830.D  
 Acq On : 16 Jun 2016 08:58  
 Operator : UM/SJ  
 Sample : SSTDC0020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02044

Quant Time: Jun 16 11:26:55 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM061516.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 16 01:45:55 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.73  | 152  | 81896    | 20.00 | ng/ul | 0.00     |
| 7) Naphthalene-d8         | 10.52 | 136  | 420555   | 20.00 | ng/ul | 0.00     |
| 15) Acenaphthene-d10      | 14.38 | 164  | 275153   | 20.00 | ng/ul | 0.00     |
| 23) Phenanthrene-d10      | 17.13 | 188  | 667990   | 20.00 | ng/ul | 0.00     |
| 29) Chrysene-d12          | 21.32 | 240  | 746693   | 20.00 | ng/ul | 0.00     |
| 34) Perylene-d12          | 23.57 | 264  | 731197   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 2) 1,4-Dioxane-d8              | 3.18  | 96  | 13324  | 7.53  | ng/uL | 0.00 |
| 3) Phenol-d5                   | 6.92  | 99  | 141341 | 21.01 | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl)ether-d  | 7.07  | 67  | 81849  | 20.44 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4           | 7.27  | 132 | 116174 | 20.73 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8           | 8.45  | 113 | 124572 | 21.92 | ng/ul | 0.00 |
| 8) Nitrobenzene-d5             | 8.89  | 128 | 60317  | 20.26 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4            | 9.62  | 143 | 69936  | 21.13 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3      | 10.16 | 165 | 133409 | 21.07 | ng/ul | 0.00 |
| 12) 4-Chloroaniline-d4         | 10.67 | 131 | 180795 | 25.98 | ng/ul | 0.00 |
| 16) Dimethylphthalate-d6       | 13.79 | 166 | 457656 | 20.95 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8          | 14.07 | 160 | 556918 | 20.07 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4           | 14.62 | 143 | 65836  | 26.22 | ng/ul | 0.00 |
| 21) Fluorene-d10               | 15.37 | 176 | 391801 | 21.54 | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.52 | 200 | 72970  | 24.42 | ng/ul | 0.00 |
| 26) Anthracene-d10             | 17.23 | 188 | 613570 | 19.80 | ng/ul | 0.00 |
| 30) Pyrene-d10                 | 19.52 | 212 | 706614 | 19.45 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12         | 23.43 | 264 | 679902 | 20.13 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |        |       |       | Qvalue |
|----------------------------|-------|-----|--------|-------|-------|--------|
| 11) Naphthalene            | 10.57 | 128 | 411061 | 19.61 | ng/ul | 100    |
| 13) 2-Methylnaphthalene    | 12.19 | 142 | 318495 | 21.12 | ng/ul | 99     |
| 14) 1-Methylnaphthalene    | 12.41 | 142 | 319842 | 21.02 | ng/ul | 99     |
| 18) Acenaphthylene         | 14.10 | 152 | 556103 | 19.87 | ng/ul | 99     |
| 19) Acenaphthene           | 14.45 | 153 | 368566 | 20.11 | ng/ul | 99     |
| 22) Fluorene               | 15.43 | 166 | 433240 | 22.01 | ng/ul | 98     |
| 25) Phenanthrene           | 17.17 | 178 | 720652 | 19.67 | ng/ul | 99     |
| 27) Anthracene             | 17.26 | 178 | 728562 | 20.09 | ng/ul | 100    |
| 28) Fluoranthene           | 19.19 | 202 | 873765 | 22.40 | ng/ul | 100    |
| 31) Pyrene                 | 19.55 | 202 | 892461 | 19.46 | ng/ul | 96     |
| 32) Benzo(a)anthracene     | 21.30 | 228 | 870464 | 20.15 | ng/ul | 100    |
| 33) Chrysene               | 21.35 | 228 | 841105 | 19.87 | ng/ul | 100    |
| 35) Benzo(b)fluoranthene   | 22.89 | 252 | 898311 | 20.57 | ng/ul | 99     |
| 36) Benzo(k)fluoranthene   | 22.94 | 252 | 840247 | 20.78 | ng/ul | 98     |
| 38) Benzo(a)pyrene         | 23.47 | 252 | 827423 | 19.83 | ng/ul | 98     |
| 39) Indeno(1,2,3-cd)pyrene | 25.86 | 276 | 823940 | 17.21 | ng/ul | 97     |
| 40) Dibenzo(a,h)anthracene | 25.86 | 278 | 689587 | 17.22 | ng/ul | 98     |
| 41) Benzo(g,h,i)perylene   | 26.56 | 276 | 681395 | 16.44 | ng/ul | 99     |

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

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