

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM060616\  
 Data File : BM005674.D  
 Acq On : 06 Jun 2016 17:44  
 Operator : UM/SJ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Jun 07 04:26:50 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM060216.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 07 04:25:20 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.76  | 152  | 112509   | 20.00 | ng/ul | 0.00     |
| 7) Naphthalene-d8         | 10.55 | 136  | 476609   | 20.00 | ng/ul | 0.00     |
| 15) Acenaphthene-d10      | 14.40 | 164  | 229384   | 20.00 | ng/ul | 0.00     |
| 23) Phenanthrene-d10      | 17.14 | 188  | 431229   | 20.00 | ng/ul | 0.00     |
| 29) Chrysene-d12          | 21.33 | 240  | 413972   | 20.00 | ng/ul | 0.00     |
| 34) Perylene-d12          | 23.58 | 264  | 410265   | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 2) 1,4-Dioxane-d8              | 3.22  | 96  | 21053  | 7.86  | ng/uL | 0.00 |
| 3) Phenol-d5                   | 6.94  | 99  | 193597 | 19.57 | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl)ether-d  | 7.09  | 67  | 120558 | 20.03 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4           | 7.29  | 132 | 161352 | 19.77 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8           | 8.47  | 113 | 147461 | 18.85 | ng/ul | 0.00 |
| 8) Nitrobenzene-d5             | 8.92  | 128 | 73919  | 20.20 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4            | 9.64  | 143 | 77096  | 19.69 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3      | 10.18 | 165 | 135886 | 19.52 | ng/ul | 0.00 |
| 12) 4-Chloroaniline-d4         | 10.69 | 131 | 178720 | 21.61 | ng/ul | 0.00 |
| 16) Dimethylphthalate-d6       | 13.81 | 166 | 342604 | 19.43 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8          | 14.09 | 160 | 460570 | 20.08 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4           | 14.62 | 143 | 47461  | 18.80 | ng/ul | 0.00 |
| 21) Fluorene-d10               | 15.39 | 176 | 295796 | 19.53 | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.53 | 200 | 35356  | 17.41 | ng/ul | 0.00 |
| 26) Anthracene-d10             | 17.24 | 188 | 413242 | 20.18 | ng/ul | 0.00 |
| 30) Pyrene-d10                 | 19.54 | 212 | 402925 | 19.36 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12         | 23.44 | 264 | 371237 | 19.66 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |        |       |        | Qvalue |
|----------------------------|-------|-----|--------|-------|--------|--------|
| 11) Naphthalene            | 10.60 | 128 | 482474 | 19.91 | ng/ul  | 98     |
| 13) 2-Methylnaphthalene    | 12.22 | 142 | 322345 | 19.14 | ng/ul  | 98     |
| 14) 1-Methylnaphthalene    | 12.43 | 142 | 315054 | 19.01 | ng/ul# | 97     |
| 18) Acenaphthylene         | 14.12 | 152 | 478114 | 20.15 | ng/ul  | 97     |
| 19) Acenaphthene           | 14.46 | 153 | 310191 | 20.14 | ng/ul  | 95     |
| 22) Fluorene               | 15.45 | 166 | 331496 | 19.89 | ng/ul  | 97     |
| 25) Phenanthrene           | 17.19 | 178 | 474750 | 19.94 | ng/ul  | 98     |
| 27) Anthracene             | 17.28 | 178 | 483967 | 20.01 | ng/ul  | 98     |
| 28) Fluoranthene           | 19.20 | 202 | 493675 | 20.29 | ng/ul  | 99     |
| 31) Pyrene                 | 19.57 | 202 | 508302 | 19.46 | ng/ul  | 97     |
| 32) Benzo(a)anthracene     | 21.31 | 228 | 481187 | 19.82 | ng/ul  | 98     |
| 33) Chrysene               | 21.36 | 228 | 455235 | 19.84 | ng/ul  | 99     |
| 35) Benzo(b)fluoranthene   | 22.90 | 252 | 494647 | 19.99 | ng/ul  | 99     |
| 36) Benzo(k)fluoranthene   | 22.95 | 252 | 449237 | 19.35 | ng/ul  | 99     |
| 38) Benzo(a)pyrene         | 23.49 | 252 | 469571 | 19.72 | ng/ul  | 99     |
| 39) Indeno(1,2,3-cd)pyrene | 25.87 | 276 | 568631 | 20.18 | ng/ul# | 90     |
| 40) Dibenzo(a,h)anthracene | 25.88 | 278 | 482049 | 20.39 | ng/ul  | 97     |
| 41) Benzo(g,h,i)perylene   | 26.57 | 276 | 472229 | 19.98 | ng/ul# | 94     |

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

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Misc :  
ALS Vial : 2 Sample Multiplier: 1

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