

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM061516\  
 Data File : BM005789.D  
 Acq On : 14 Jun 2016 17:38  
 Operator : UM/SJ  
 Sample : SSTD08038  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD08038

Quant Time: Jun 15 01:19:47 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  | 73719    | 20.00 | ng/ul | 0.00     |
| 7) Naphthalene-d8         | 10.53 | 136  | 363034   | 20.00 | ng/ul | 0.00     |
| 15) Acenaphthene-d10      | 14.39 | 164  | 210060   | 20.00 | ng/ul | 0.00     |
| 23) Phenanthrene-d10      | 17.13 | 188  | 419780   | 20.00 | ng/ul | 0.00     |
| 29) Chrysene-d12          | 21.32 | 240  | 302369   | 20.00 | ng/ul | 0.00     |
| 34) Perylene-d12          | 23.57 | 264  | 322931   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 2) 1,4-Dioxane-d8              | 3.19  | 96  | 45440   | 26.95 | ng/uL | 0.00 |
| 3) Phenol-d5                   | 6.93  | 99  | 500078  | 79.25 | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl)ether-d  | 7.08  | 67  | 280712  | 74.13 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4           | 7.28  | 132 | 406847  | 79.51 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8           | 8.47  | 113 | 422075  | 78.98 | ng/ul | 0.01 |
| 8) Nitrobenzene-d5             | 8.91  | 128 | 213020  | 81.55 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4            | 9.63  | 143 | 240886  | 82.21 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3      | 10.17 | 165 | 430678  | 79.98 | ng/ul | 0.00 |
| 12) 4-Chloroaniline-d4         | 10.68 | 131 | 455380  | 72.63 | ng/ul | 0.00 |
| 16) Dimethylphthalate-d6       | 13.80 | 166 | 1216188 | 70.56 | ng/ul | 0.01 |
| 17) Acenaphthylene-d8          | 14.09 | 160 | 1498378 | 70.81 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4           | 14.63 | 143 | 170629  | 72.76 | ng/ul | 0.01 |
| 21) Fluorene-d10               | 15.39 | 176 | 984515  | 68.55 | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.53 | 200 | 172544  | 82.69 | ng/ul | 0.00 |
| 26) Anthracene-d10             | 17.24 | 188 | 1346762 | 68.57 | ng/ul | 0.00 |
| 30) Pyrene-d10                 | 19.53 | 212 | 1191409 | 82.17 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12         | 23.43 | 264 | 1114458 | 75.71 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |         |       |       | Qvalue |
|----------------------------|-------|-----|---------|-------|-------|--------|
| 11) Naphthalene            | 10.59 | 128 | 1296996 | 71.56 | ng/ul | 100    |
| 13) 2-Methylnaphthalene    | 12.20 | 142 | 945428  | 70.06 | ng/ul | 97     |
| 14) 1-Methylnaphthalene    | 12.42 | 142 | 934108  | 70.05 | ng/ul | 99     |
| 18) Acenaphthylene         | 14.12 | 152 | 1488012 | 68.96 | ng/ul | 99     |
| 19) Acenaphthene           | 14.46 | 153 | 980158  | 69.77 | ng/ul | 100    |
| 22) Fluorene               | 15.45 | 166 | 992656  | 63.17 | ng/ul | 99     |
| 25) Phenanthrene           | 17.18 | 178 | 1598856 | 69.85 | ng/ul | 100    |
| 27) Anthracene             | 17.27 | 178 | 1561220 | 67.58 | ng/ul | 99     |
| 28) Fluoranthene           | 19.19 | 202 | 1532796 | 57.85 | ng/ul | 99     |
| 31) Pyrene                 | 19.56 | 202 | 1478293 | 80.67 | ng/ul | 95     |
| 32) Benzo(a)anthracene     | 21.30 | 228 | 1307237 | 74.78 | ng/ul | 99     |
| 33) Chrysene               | 21.36 | 228 | 1250013 | 73.04 | ng/ul | 99     |
| 35) Benzo(b)fluoranthene   | 22.90 | 252 | 1412697 | 73.24 | ng/ul | 100    |
| 36) Benzo(k)fluoranthene   | 22.94 | 252 | 1301216 | 68.67 | ng/ul | 100    |
| 38) Benzo(a)pyrene         | 23.49 | 252 | 1353150 | 74.36 | ng/ul | 99     |
| 39) Indeno(1,2,3-cd)pyrene | 25.87 | 276 | 1598341 | 86.65 | ng/ul | 99     |
| 40) Dibenzo(a,h)anthracene | 25.88 | 278 | 1313558 | 85.01 | ng/ul | 99     |
| 41) Benzo(g,h,i)perylene   | 26.57 | 276 | 1415430 | 90.59 | ng/ul | 100    |

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

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