

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM061716\  
 Data File : BM005839.D  
 Acq On : 16 Jun 2016 22:02  
 Operator : UM/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02051

Quant Time: Jun 17 01:48:51 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM061716.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jun 17 01:45:30 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.73  | 152  | 15810    | 20.00 | ng/ul | 0.00     |
| 7) Naphthalene-d8         | 10.52 | 136  | 75474    | 20.00 | ng/ul | 0.00     |
| 15) Acenaphthene-d10      | 14.37 | 164  | 52300    | 20.00 | ng/ul | 0.00     |
| 23) Phenanthrene-d10      | 17.12 | 188  | 130711   | 20.00 | ng/ul | 0.00     |
| 29) Chrysene-d12          | 21.30 | 240  | 168928   | 20.00 | ng/ul | 0.00     |
| 34) Perylene-d12          | 23.56 | 264  | 186117   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 2) 1,4-Dioxane-d8              | 3.18  | 96  | 2379   | 19.49 | ng/uL | 0.00 |
| 3) Phenol-d5                   | 6.91  | 99  | 24750  | 18.70 | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl)ether-d  | 7.06  | 67  | 13313  | 19.40 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4           | 7.26  | 132 | 21715  | 19.28 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8           | 8.45  | 113 | 23132  | 19.55 | ng/ul | 0.00 |
| 8) Nitrobenzene-d5             | 8.89  | 128 | 10756  | 20.19 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4            | 9.61  | 143 | 13694  | 21.04 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3      | 10.16 | 165 | 25879  | 20.13 | ng/ul | 0.00 |
| 12) 4-Chloroaniline-d4         | 10.67 | 131 | 17817  | 20.48 | ng/ul | 0.00 |
| 16) Dimethylphthalate-d6       | 13.79 | 166 | 97719  | 19.75 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8          | 14.07 | 160 | 111886 | 19.63 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4           | 14.62 | 143 | 10703  | 17.95 | ng/ul | 0.00 |
| 21) Fluorene-d10               | 15.37 | 176 | 81719  | 19.38 | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.52 | 200 | 16268  | 18.44 | ng/ul | 0.00 |
| 26) Anthracene-d10             | 17.22 | 188 | 133103 | 19.50 | ng/ul | 0.00 |
| 30) Pyrene-d10                 | 19.52 | 212 | 157535 | 19.67 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12         | 23.41 | 264 | 184306 | 19.81 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |        |       |       | Qvalue |
|----------------------------|-------|-----|--------|-------|-------|--------|
| 11) Naphthalene            | 10.57 | 128 | 78783  | 19.48 | ng/ul | 99     |
| 13) 2-Methylnaphthalene    | 12.19 | 142 | 61702  | 20.01 | ng/ul | 99     |
| 14) 1-Methylnaphthalene    | 12.40 | 142 | 63419  | 19.76 | ng/ul | 98     |
| 18) Acenaphthylene         | 14.10 | 152 | 113176 | 19.61 | ng/ul | 99     |
| 19) Acenaphthene           | 14.44 | 153 | 74873  | 19.44 | ng/ul | 98     |
| 22) Fluorene               | 15.42 | 166 | 90926  | 19.47 | ng/ul | 100    |
| 25) Phenanthrene           | 17.16 | 178 | 152668 | 19.62 | ng/ul | 99     |
| 27) Anthracene             | 17.26 | 178 | 157762 | 19.83 | ng/ul | 99     |
| 28) Fluoranthene           | 19.18 | 202 | 190985 | 19.53 | ng/ul | 99     |
| 31) Pyrene                 | 19.54 | 202 | 199587 | 19.99 | ng/ul | 99     |
| 32) Benzo(a)anthracene     | 21.29 | 228 | 209105 | 19.82 | ng/ul | 100    |
| 33) Chrysene               | 21.34 | 228 | 201796 | 19.86 | ng/ul | 100    |
| 35) Benzo(b)fluoranthene   | 22.88 | 252 | 223323 | 19.28 | ng/ul | 99     |
| 36) Benzo(k)fluoranthene   | 22.92 | 252 | 226515 | 20.25 | ng/ul | 99     |
| 38) Benzo(a)pyrene         | 23.46 | 252 | 225592 | 19.83 | ng/ul | 98     |
| 39) Indeno(1,2,3-cd)pyrene | 25.84 | 276 | 272619 | 19.61 | ng/ul | 97     |
| 40) Dibenzo(a,h)anthracene | 25.84 | 278 | 225298 | 19.71 | ng/ul | 99     |
| 41) Benzo(g,h,i)perylene   | 26.53 | 276 | 231752 | 19.58 | ng/ul | 97     |

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

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