

Data Path : Z:\HPCHEM1\BNA M\DATA\BM060216\  
 Data File : BM005655.D  
 Acq On : 02 Jun 2016 09:19  
 Operator : UM/SJ  
 Sample : SSTD16039  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD16039

Quant Time: Jun 02 16:28:12 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM060216.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jun 02 16:26:07 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.76  | 152  | 105016   | 20.00 | ng/ul | 0.00     |
| 7) Naphthalene-d8         | 10.56 | 136  | 467912   | 20.00 | ng/ul | 0.00     |
| 15) Acenaphthene-d10      | 14.40 | 164  | 227894   | 20.00 | ng/ul | 0.00     |
| 23) Phenanthrene-d10      | 17.15 | 188  | 415318   | 20.00 | ng/ul | 0.00     |
| 29) Chrysene-d12          | 21.33 | 240  | 344317   | 20.00 | ng/ul | 0.00     |
| 34) Perylene-d12          | 23.59 | 264  | 369154   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |        |       |      |
|--------------------------------|-------|-----|---------|--------|-------|------|
| 2) 1,4-Dioxane-d8              | 3.21  | 96  | 144568  | 63.14  | ng/uL | 0.00 |
| 3) Phenol-d5                   | 6.95  | 99  | 1449608 | 156.33 | ng/ul | 0.01 |
| 4) Bis-(2-Chloroethyl)ether-d  | 7.10  | 67  | 837695  | 169.61 | ng/ul | 0.01 |
| 5) 2-Chlorophenol-d4           | 7.30  | 132 | 1156824 | 151.94 | ng/ul | 0.01 |
| 6) 4-Methylphenol-d8           | 8.50  | 113 | 1133429 | 137.22 | ng/ul | 0.02 |
| 8) Nitrobenzene-d5             | 8.93  | 128 | 565554  | 172.28 | ng/ul | 0.02 |
| 9) 2-Nitrophenol-d4            | 9.65  | 143 | 616684  | 176.06 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3      | 10.19 | 165 | 989465  | 159.83 | ng/ul | 0.01 |
| 12) 4-Chloroaniline-d4         | 10.70 | 131 | 866782  | 177.77 | ng/ul | 0.00 |
| 16) Dimethylphthalate-d6       | 13.82 | 166 | 2372038 | 134.99 | ng/ul | 0.01 |
| 17) Acenaphthylene-d8          | 14.10 | 160 | 3029686 | 133.86 | ng/ul | 0.01 |
| 20) 4-Nitrophenol-d4           | 14.65 | 143 | 398287  | 128.85 | ng/ul | 0.03 |
| 21) Fluorene-d10               | 15.40 | 176 | 1878198 | 118.76 | ng/ul | 0.01 |
| 24) 4,6-Dinitro-2-methylphenol | 15.54 | 200 | 358540  | 173.95 | ng/ul | 0.02 |
| 26) Anthracene-d10             | 17.26 | 188 | 2572896 | 134.46 | ng/ul | 0.01 |
| 30) Pyrene-d10                 | 19.54 | 212 | 2505524 | 137.92 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12         | 23.46 | 264 | 2514487 | 153.37 | ng/ul | 0.01 |

## Target Compounds

|                            |       |     |         |        |        | Ovalue |
|----------------------------|-------|-----|---------|--------|--------|--------|
| 11) Naphthalene            | 10.61 | 128 | 3148270 | 138.32 | ng/ul  | 99     |
| 13) 2-Methylnaphthalene    | 12.22 | 142 | 2105765 | 127.65 | ng/ul  | 98     |
| 14) 1-Methylnaphthalene    | 12.45 | 142 | 2050799 | 121.50 | ng/ul# | 95     |
| 18) Acenaphthylene         | 14.13 | 152 | 2952997 | 125.30 | ng/ul  | 98     |
| 19) Acenaphthene           | 14.47 | 153 | 1954690 | 120.78 | ng/ul  | 94     |
| 22) Fluorene               | 15.46 | 166 | 1823356 | 101.75 | ng/ul  | 97     |
| 25) Phenanthrene           | 17.20 | 178 | 3019769 | 136.03 | ng/ul  | 97     |
| 27) Anthracene             | 17.29 | 178 | 2935170 | 131.58 | ng/ul  | 99     |
| 28) Fluoranthene           | 19.21 | 202 | 3104783 | 134.58 | ng/ul  | 99     |
| 31) Pyrene                 | 19.57 | 202 | 3024949 | 127.57 | ng/ul  | 97     |
| 32) Benzo(a)anthracene     | 21.32 | 228 | 2891572 | 151.40 | ng/ul  | 97     |
| 33) Chrysene               | 21.37 | 228 | 2654079 | 142.83 | ng/ul  | 97     |
| 35) Benzo(b)fluoranthene   | 22.92 | 252 | 3135608 | 147.76 | ng/ul  | 99     |
| 36) Benzo(k)fluoranthene   | 22.96 | 252 | 2877040 | 137.83 | ng/ul  | 99     |
| 38) Benzo(a)pyrene         | 23.51 | 252 | 2985417 | 147.11 | ng/ul  | 99     |
| 39) Indeno(1,2,3-cd)pyrene | 25.92 | 276 | 3631585 | 157.44 | ng/ul# | 90     |
| 40) Dibenzo(a,h)anthracene | 25.91 | 278 | 2895802 | 151.56 | ng/ul  | 97     |
| 41) Benzo(g,h,i)perylene   | 26.61 | 276 | 3273499 | 167.74 | ng/ul# | 95     |

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

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