

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080616\  
 Data File : BM006958.D  
 Acq On : 07 Aug 2016 03:56  
 Operator : UM/SJ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02023

Quant Time: Aug 08 03:54:08 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080616.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 08 03:51:46 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.55  | 152  | 192401   | 20.00 | ng/ul | 0.00     |
| 7) Naphthalene-d8         | 10.32 | 136  | 947881   | 20.00 | ng/ul | 0.00     |
| 15) Acenaphthene-d10      | 14.20 | 164  | 641034   | 20.00 | ng/ul | 0.00     |
| 23) Phenanthrene-d10      | 16.96 | 188  | 1608406  | 20.00 | ng/ul | 0.00     |
| 29) Chrysene-d12          | 21.17 | 240  | 1923478  | 20.00 | ng/ul | 0.00     |
| 34) Perylene-d12          | 23.36 | 264  | 1556519  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 2) 1,4-Dioxane-d8              | 3.08  | 96  | 32558   | 7.73  | ng/uL | 0.00 |
| 3) Phenol-d5                   | 6.76  | 99  | 344520  | 18.89 | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl)ether-d  | 6.90  | 67  | 232216  | 20.30 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4           | 7.09  | 132 | 266089  | 20.43 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8           | 8.29  | 113 | 297177  | 19.52 | ng/ul | 0.00 |
| 8) Nitrobenzene-d5             | 8.72  | 128 | 141015  | 20.03 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4            | 9.43  | 143 | 165742  | 19.66 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3      | 9.97  | 165 | 314417  | 19.67 | ng/ul | 0.00 |
| 12) 4-Chloroaniline-d4         | 10.49 | 131 | 407565  | 21.36 | ng/ul | 0.00 |
| 16) Dimethylphthalate-d6       | 13.63 | 166 | 1136442 | 20.15 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8          | 13.90 | 160 | 1323345 | 20.28 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4           | 14.49 | 143 | 126926  | 15.51 | ng/ul | 0.00 |
| 21) Fluorene-d10               | 15.21 | 176 | 972626  | 20.28 | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.37 | 200 | 150636  | 22.68 | ng/ul | 0.00 |
| 26) Anthracene-d10             | 17.06 | 188 | 1558699 | 20.06 | ng/ul | 0.00 |
| 30) Pyrene-d10                 | 19.37 | 212 | 1812690 | 19.77 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12         | 23.22 | 264 | 1486557 | 20.05 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |         |       |       | Qvalue |
|----------------------------|-------|-----|---------|-------|-------|--------|
| 11) Naphthalene            | 10.37 | 128 | 967093  | 19.87 | ng/ul | 99     |
| 13) 2-Methylnaphthalene    | 12.00 | 142 | 780970  | 20.05 | ng/ul | 96     |
| 14) 1-Methylnaphthalene    | 12.22 | 142 | 753128  | 20.11 | ng/ul | 99     |
| 18) Acenaphthylene         | 13.93 | 152 | 1397293 | 20.41 | ng/ul | 99     |
| 19) Acenaphthene           | 14.27 | 153 | 906648  | 20.31 | ng/ul | 97     |
| 22) Fluorene               | 15.26 | 166 | 1144075 | 20.27 | ng/ul | 98     |
| 25) Phenanthrene           | 17.01 | 178 | 1813931 | 20.16 | ng/ul | 99     |
| 27) Anthracene             | 17.10 | 178 | 1912951 | 20.31 | ng/ul | 99     |
| 28) Fluoranthene           | 19.03 | 202 | 2230461 | 20.38 | ng/ul | 98     |
| 31) Pyrene                 | 19.40 | 202 | 2342519 | 19.60 | ng/ul | 98     |
| 32) Benzo(a)anthracene     | 21.16 | 228 | 2332670 | 20.44 | ng/ul | 99     |
| 33) Chrysene               | 21.21 | 228 | 2041913 | 20.32 | ng/ul | 99     |
| 35) Benzo(b)fluoranthene   | 22.70 | 252 | 2059728 | 20.28 | ng/ul | 99     |
| 36) Benzo(k)fluoranthene   | 22.75 | 252 | 1987289 | 20.26 | ng/ul | 100    |
| 38) Benzo(a)pyrene         | 23.26 | 252 | 1841113 | 19.99 | ng/ul | 98     |
| 39) Indeno(1,2,3-cd)pyrene | 25.54 | 276 | 1838737 | 19.68 | ng/ul | 99     |
| 40) Dibenzo(a,h)anthracene | 25.54 | 278 | 1560856 | 19.85 | ng/ul | 97     |
| 41) Benzo(g,h,i)perylene   | 26.20 | 276 | 1430629 | 19.44 | ng/ul | 98     |

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

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