

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM062616\  
 Data File : BM006060.D  
 Acq On : 27 Jun 2016 03:35  
 Operator : UM/SJ  
 Sample : H3670-17 2X  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9Y99

Manual Integrations  
 APPROVED

sohil  
 6/27/2016 8:06:27 PM

Quant Time: Jun 27 06:56:33 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM062516.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Jun 27 05:15:31 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 341557   | 20.00 | ng/ul | 0.00     |
| 7) Naphthalene-d8         | 10.44 | 136  | 1609580  | 20.00 | ng/ul | 0.00     |
| 15) Acenaphthene-d10      | 14.31 | 164  | 929109   | 20.00 | ng/ul | 0.00     |
| 23) Phenanthrene-d10      | 17.06 | 188  | 1998258  | 20.00 | ng/ul | 0.01     |
| 29) Chrysene-d12          | 21.26 | 240  | 1265943  | 20.00 | ng/ul | 0.01     |
| 34) Perylene-d12          | 23.48 | 264  | 1249126  | 20.00 | ng/ul | 0.01     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 2) 1,4-Dioxane-d8              | 3.17  | 96  | 6540    | 0.86  | ng/uL | 0.00 |
| 3) Phenol-d5                   | 6.83  | 99  | 299081  | 8.32  | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl)ether-d  | 7.00  | 67  | 204946  | 10.25 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4           | 7.19  | 132 | 249464  | 9.97  | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8           | 8.36  | 113 | 149838  | 4.94  | ng/ul | 0.00 |
| 8) Nitrobenzene-d5             | 8.81  | 128 | 133432  | 10.89 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4            | 9.53  | 143 | 141462  | 10.37 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3      | 10.06 | 165 | 264199  | 10.10 | ng/ul | 0.00 |
| 12) 4-Chloroaniline-d4         | 10.58 | 131 | 167589  | 5.91  | ng/ul | 0.00 |
| 16) Dimethylphthalate-d6       | 13.72 | 166 | 855466  | 10.76 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8          | 14.00 | 160 | 1083781 | 11.75 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4           | 14.52 | 143 | 86743   | 5.11  | ng/ul | 0.01 |
| 21) Fluorene-d10               | 15.30 | 176 | 757431  | 11.15 | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.44 | 200 | 22894   | 2.06  | ng/ul | 0.02 |
| 26) Anthracene-d10             | 17.16 | 188 | 1110449 | 12.10 | ng/ul | 0.00 |
| 30) Pyrene-d10                 | 19.46 | 212 | 990448  | 17.86 | ng/ul | 0.02 |
| 37) Benzo(a)pyrene-d12         | 23.34 | 264 | 681425  | 12.08 | ng/ul | 0.02 |

## Target Compounds

|                            |       |     |          |        |       | Qvalue |
|----------------------------|-------|-----|----------|--------|-------|--------|
| 11) Naphthalene            | 10.49 | 128 | 167388   | 2.08   | ng/ul | 99     |
| 18) Acenaphthylene         | 14.03 | 152 | 193947   | 1.99   | ng/ul | 97     |
| 19) Acenaphthene           | 14.37 | 153 | 357054   | 5.78   | ng/ul | 100    |
| 22) Fluorene               | 15.36 | 166 | 360930   | 4.85   | ng/ul | 99     |
| 25) Phenanthrene           | 17.11 | 178 | 6794785  | 63.22  | ng/ul | 98     |
| 27) Anthracene             | 17.19 | 178 | 1621516  | 14.61  | ng/ul | 100    |
| 28) Fluoranthene           | 19.13 | 202 | 9007092  | 65.42  | ng/ul | 97     |
| 31) Pyrene                 | 19.50 | 202 | 7964117  | 109.89 | ng/ul | 96     |
| 32) Benzo(a)anthracene     | 21.24 | 228 | 3030404  | 40.30  | ng/ul | 98     |
| 33) Chrysene               | 21.29 | 228 | 2906160  | 42.30  | ng/ul | 97     |
| 35) Benzo(b)fluoranthene   | 22.81 | 252 | 3678213  | 50.68  | ng/ul | 98     |
| 36) Benzo(k)fluoranthene   | 22.86 | 252 | 1177826m | 17.45  | ng/ul |        |
| 38) Benzo(a)pyrene         | 23.39 | 252 | 2581461  | 37.10  | ng/ul | 100    |
| 39) Indeno(1,2,3-cd)pyrene | 25.70 | 276 | 2212180  | 26.67  | ng/ul | 96     |
| 40) Dibenzo(a,h)anthracene | 25.71 | 278 | 478775m  | 6.94   | ng/ul |        |
| 41) Benzo(g,h,i)perylene   | 26.39 | 276 | 2341207  | 32.63  | ng/ul | 97     |

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

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