

Data Path : Z:\HPCHEM1\BNA\_M\Data\BM073116\  
 Data File : BM006822.D  
 Acq On : 01 Aug 2016 12:16  
 Operator : UM/SJ  
 Sample : H4188-07  
 Misc :  
 ALS Vial : 89 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 D9ZL5

Quant Time: Aug 01 14:15:19 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072016.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Jul 30 01:37:26 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.60  | 152  | 236589   | 20.00 | ng/ul | 0.00     |
| 7) Naphthalene-d8         | 10.39 | 136  | 1009247  | 20.00 | ng/ul | 0.00     |
| 15) Acenaphthene-d10      | 14.26 | 164  | 552913   | 20.00 | ng/ul | 0.00     |
| 23) Phenanthrene-d10      | 17.02 | 188  | 1196830  | 20.00 | ng/ul | 0.00     |
| 29) Chrysene-d12          | 21.22 | 240  | 1137097  | 20.00 | ng/ul | 0.00     |
| 34) Perylene-d12          | 23.43 | 264  | 1303602  | 20.00 | ng/ul | 0.02     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 2) 1,4-Dioxane-d8              | 3.13  | 96  | 11776   | 2.01  | ng/uL | 0.00 |
| 3) Phenol-d5                   | 6.80  | 99  | 455772  | 22.64 | ng/ul | 0.01 |
| 4) Bis-(2-Chloroethyl)ether-d  | 6.95  | 67  | 306141  | 24.55 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4           | 7.15  | 132 | 380184  | 23.64 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8           | 8.32  | 113 | 300276  | 19.24 | ng/ul | 0.00 |
| 8) Nitrobenzene-d5             | 8.76  | 128 | 195317  | 25.57 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4            | 9.48  | 143 | 214579  | 26.41 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3      | 10.02 | 165 | 369499  | 24.07 | ng/ul | 0.00 |
| 12) 4-Chloroaniline-d4         | 10.53 | 131 | 399027  | 23.60 | ng/ul | 0.00 |
| 16) Dimethylphthalate-d6       | 13.67 | 166 | 1126542 | 25.99 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8          | 13.95 | 160 | 1454598 | 26.29 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4           | 14.51 | 143 | 137451  | 18.25 | ng/ul | 0.02 |
| 21) Fluorene-d10               | 15.26 | 176 | 988894  | 25.51 | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.42 | 200 | 73422   | 11.82 | ng/ul | 0.02 |
| 26) Anthracene-d10             | 17.12 | 188 | 1467268 | 25.82 | ng/ul | 0.00 |
| 30) Pyrene-d10                 | 19.42 | 212 | 1559760 | 30.10 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12         | 23.30 | 264 | 1541372 | 25.71 | ng/ul | 0.02 |

## Target Compounds

|                            |       |     |         |       |       | Qvalue |
|----------------------------|-------|-----|---------|-------|-------|--------|
| 19) Acenaphthene           | 14.33 | 153 | 63005   | 1.65  | ng/ul | 96     |
| 25) Phenanthrene           | 17.06 | 178 | 738653  | 10.97 | ng/ul | 99     |
| 27) Anthracene             | 17.15 | 178 | 160214  | 2.31  | ng/ul | 99     |
| 28) Fluoranthene           | 19.09 | 202 | 2250992 | 28.47 | ng/ul | 97     |
| 31) Pyrene                 | 19.45 | 202 | 2150398 | 31.23 | ng/ul | 97     |
| 32) Benzo(a)anthracene     | 21.20 | 228 | 1910573 | 27.72 | ng/ul | 98     |
| 33) Chrysene               | 21.26 | 228 | 2340194 | 36.83 | ng/ul | 96     |
| 35) Benzo(b)fluoranthene   | 22.78 | 252 | 4425175 | 56.63 | ng/ul | 99     |
| 36) Benzo(k)fluoranthene   | 22.78 | 252 | 4425175 | 58.57 | ng/ul | 99     |
| 38) Benzo(a)pyrene         | 23.34 | 252 | 3106686 | 40.85 | ng/ul | 97     |
| 39) Indeno(1,2,3-cd)pyrene | 25.66 | 276 | 2759426 | 31.33 | ng/ul | 98     |
| 40) Dibenzo(a,h)anthracene | 25.65 | 278 | 759300  | 10.40 | ng/ul | 96     |
| 41) Benzo(g,h,i)perylene   | 26.34 | 276 | 2273094 | 30.11 | ng/ul | 98     |

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

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