

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM080716\  
 Data File : BM006983.D  
 Acq On : 08 Aug 2016 08:12  
 Operator : UM/SJ  
 Sample : H4301-12  
 Misc :  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DA0F3

Manual Integrations  
 APPROVED

sohil  
 8/8/2016 7:09:09 PM

Quant Time: Aug 08 16:36:23 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM080616.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Aug 08 15:12:48 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.55  | 152  | 272493   | 20.00 | ng/ul | 0.00     |
| 7) Naphthalene-d8         | 10.33 | 136  | 1202989  | 20.00 | ng/ul | 0.00     |
| 15) Acenaphthene-d10      | 14.21 | 164  | 725034   | 20.00 | ng/ul | 0.00     |
| 23) Phenanthrene-d10      | 16.97 | 188  | 1711960  | 20.00 | ng/ul | 0.00     |
| 29) Chrysene-d12          | 21.18 | 240  | 1522613  | 20.00 | ng/ul | 0.00     |
| 34) Perylene-d12          | 23.37 | 264  | 1450459  | 20.00 | ng/ul | 0.01     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 2) 1,4-Dioxane-d8              | 3.08  | 96  | 7896    | 1.32  | ng/uL | 0.00 |
| 3) Phenol-d5                   | 6.77  | 99  | 418057  | 16.18 | ng/ul | 0.00 |
| 4) Bis-(2-Chloroethyl)ether-d  | 6.90  | 67  | 280339  | 17.30 | ng/ul | 0.00 |
| 5) 2-Chlorophenol-d4           | 7.10  | 132 | 331725  | 17.99 | ng/ul | 0.00 |
| 6) 4-Methylphenol-d8           | 8.29  | 113 | 300741  | 13.95 | ng/ul | 0.00 |
| 8) Nitrobenzene-d5             | 8.72  | 128 | 175191  | 19.61 | ng/ul | 0.00 |
| 9) 2-Nitrophenol-d4            | 9.43  | 143 | 196600  | 18.37 | ng/ul | 0.00 |
| 10) 2,4-Dichlorophenol-d3      | 9.98  | 165 | 357640  | 17.63 | ng/ul | 0.00 |
| 12) 4-Chloroaniline-d4         | 10.49 | 131 | 200530  | 8.28  | ng/ul | 0.00 |
| 16) Dimethylphthalate-d6       | 13.63 | 166 | 1157138 | 18.14 | ng/ul | 0.00 |
| 17) Acenaphthylene-d8          | 13.90 | 160 | 1441820 | 19.54 | ng/ul | 0.00 |
| 20) 4-Nitrophenol-d4           | 14.52 | 143 | 125811  | 13.59 | ng/ul | 0.02 |
| 21) Fluorene-d10               | 15.21 | 176 | 1029215 | 18.98 | ng/ul | 0.00 |
| 24) 4,6-Dinitro-2-methylphenol | 15.38 | 200 | 75551   | 10.69 | ng/ul | 0.00 |
| 26) Anthracene-d10             | 17.07 | 188 | 1627065 | 19.67 | ng/ul | 0.00 |
| 30) Pyrene-d10                 | 19.38 | 212 | 1716176 | 23.65 | ng/ul | 0.00 |
| 37) Benzo(a)pyrene-d12         | 23.23 | 264 | 1354001 | 19.60 | ng/ul | 0.00 |

## Target Compounds

|                            |       |     |         |      |        | Qvalue |
|----------------------------|-------|-----|---------|------|--------|--------|
| 25) Phenanthrene           | 17.01 | 178 | 342615  | 3.58 | ng/ul  | 99     |
| 28) Fluoranthene           | 19.04 | 202 | 745551  | 6.40 | ng/ul  | 97     |
| 31) Pyrene                 | 19.41 | 202 | 640763  | 6.77 | ng/ul  | 99     |
| 32) Benzo(a)anthracene     | 21.17 | 228 | 361250  | 4.00 | ng/ul# | 94     |
| 33) Chrysene               | 21.22 | 228 | 366626  | 4.61 | ng/ul# | 93     |
| 35) Benzo(b)fluoranthene   | 22.72 | 252 | 560128  | 5.92 | ng/ul# | 94     |
| 36) Benzo(k)fluoranthene   | 22.76 | 252 | 154412m | 1.69 | ng/ul  |        |
| 38) Benzo(a)pyrene         | 23.28 | 252 | 370908  | 4.32 | ng/ul# | 95     |
| 39) Indeno(1,2,3-cd)pyrene | 25.57 | 276 | 287173  | 3.30 | ng/ul  | 97     |
| 41) Benzo(g,h,i)perylene   | 26.24 | 276 | 281426  | 4.10 | ng/ul# | 94     |

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

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