

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM072616\  
 Data File : BM006653.D  
 Acq On : 26 Jul 2016 16:11  
 Operator : UM/SJ  
 Sample : H4068-02  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 X2547

Quant Time: Jul 26 16:41:35 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-BM072616.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jul 26 15:24:14 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.61  | 152  | 130179   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.39 | 136  | 581884   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.26 | 164  | 332201   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.02 | 188  | 762972   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.22 | 240  | 830006   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.43 | 264  | 906685   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.13  | 96  | 9520    | 2.84  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.80  | 99  | 395224  | 34.54 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.95  | 67  | 247966  | 35.28 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.15  | 132 | 301583  | 33.60 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.33  | 113 | 307408  | 34.25 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.77  | 128 | 152611  | 33.97 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.48  | 143 | 168518  | 34.72 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.02 | 165 | 313617  | 35.25 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.53 | 131 | 326034  | 36.07 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.68 | 166 | 961283  | 36.26 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.96 | 160 | 1178318 | 35.35 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.50 | 143 | 176659  | 38.73 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.26 | 176 | 816289  | 35.50 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.41 | 200 | 143459  | 34.50 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.12 | 188 | 1316332 | 36.97 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.42 | 212 | 1460336 | 37.92 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.29 | 264 | 1515840 | 36.94 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |       |        | Qvalue |
|--------------------------------|-------|-----|---------|-------|--------|--------|
| 6) Phenol                      | 6.82  | 94  | 716000  | 59.20 | ng/ul  | 96     |
| 10) 2-Chlorophenol             | 7.18  | 128 | 550438  | 59.96 | ng/ul  | 97     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.13  | 45  | 371775  | 28.03 | ng/ul  | 99     |
| 17) Hexachloroethane           | 8.67  | 117 | 232139  | 59.66 | ng/ul  | 97     |
| 27) 2,4-Dichlorophenol         | 10.05 | 162 | 527592  | 59.80 | ng/ul  | 99     |
| 28) Naphthalene                | 10.44 | 128 | 1672113 | 57.49 | ng/ul  | 98     |
| 30) 4-Chloroaniline            | 10.44 | 127 | 214596  | 23.03 | ng/ul# | 1      |
| 31) Hexachlorobutadiene        | 10.72 | 225 | 292612  | 52.60 | ng/ul  | 98     |
| 36) 1,2,4,5-Tetrachlorobenzene | 12.44 | 216 | 803806  | 75.27 | ng/ul  | 99     |
| 45) 2,6-Dinitrotoluene         | 13.86 | 165 | 364173  | 65.98 | ng/ul  | 98     |
| 49) Acenaphthene               | 14.33 | 153 | 1370541 | 61.97 | ng/ul  | 99     |
| 54) 2,4-Dinitrotoluene         | 14.65 | 165 | 472294  | 60.84 | ng/ul  | 97     |
| 56) Diethylphthalate           | 15.10 | 149 | 1765430 | 62.94 | ng/ul  | 99     |
| 58) Fluorene                   | 15.32 | 166 | 1600576 | 62.85 | ng/ul  | 99     |
| 60) 4-Nitroaniline             | 15.32 | 138 | 18671   | 2.98  | ng/ul# | 9      |
| 65) 4-Bromophenyl-phenylether  | 16.33 | 248 | 9079    | 1.11  | ng/ul# | 1      |
| 66) Hexachlorobenzene          | 16.33 | 284 | 582391  | 65.64 | ng/ul  | 99     |
| 68) Pentachlorophenol          | 16.68 | 266 | 306037  | 77.40 | ng/ul  | 97     |
| 69) Phenanthrene               | 17.15 | 178 | 2328712 | 56.30 | ng/ul  | 99     |
| 71) Anthracene                 | 17.15 | 178 | 2328712 | 54.48 | ng/ul  | 99     |
| 77) Pyrene                     | 19.46 | 202 | 3227557 | 63.68 | ng/ul  | 99     |
| 78) Butylbenzylphthalate       | 20.36 | 149 | 1525589 | 65.37 | ng/ul  | 98     |
| 80) Benzo(a)anthracene         | 21.21 | 228 | 2359992 | 47.65 | ng/ul  | 100    |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 81) Bis(2-ethylhexyl)phthalate | 21.14 | 149  | 2132370  | 63.47 | ng/ul | 99       |
| 82) Chrysene                   | 21.26 | 228  | 2331276  | 51.67 | ng/ul | 98       |
| 85) Benzo(b)fluoranthene       | 22.77 | 252  | 2545802  | 47.49 | ng/ul | 99       |
| 86) Benzo(k)fluoranthene       | 22.82 | 252  | 1976358  | 40.19 | ng/ul | 100      |
| 88) Benzo(a)pyrene             | 23.34 | 252  | 2292817  | 44.85 | ng/ul | 99       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.65 | 276  | 3363566  | 56.12 | ng/ul | 97       |
| 90) Dibenzo(a,h)anthracene     | 25.66 | 278  | 3047736  | 61.10 | ng/ul | 100      |

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

