

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM121616\  
 Data File : BM008365.D  
 Acq On : 16 Dec 2016 04:28  
 Operator : UM/SJ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02057

Quant Time: Dec 16 05:05:35 2016  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 16 03:09:13 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 131794   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.44 | 136  | 526551   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.30 | 164  | 337476   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.06 | 188  | 642635   | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.26 | 240  | 793136   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.49 | 264  | 800266   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.23  | 96  | 22532  | 8.04  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.85  | 99  | 211950 | 20.73 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.01  | 67  | 123845 | 21.07 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.20  | 132 | 169136 | 21.99 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.38  | 113 | 167818 | 21.19 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.82  | 128 | 80257  | 21.09 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.54  | 143 | 91417  | 21.68 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.07 | 165 | 168281 | 21.78 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.60 | 131 | 195188 | 22.03 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.72 | 166 | 471106 | 21.00 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.00 | 160 | 574714 | 21.68 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.55 | 143 | 53581  | 16.21 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.30 | 176 | 409964 | 21.02 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.46 | 200 | 73747  | 19.28 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.16 | 188 | 618078 | 22.08 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.46 | 212 | 686216 | 22.40 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.34 | 264 | 740424 | 22.03 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |       |       | Qvalue |
|--------------------------------|-------|-----|--------|-------|-------|--------|
| 2) 1,4-Dioxane                 | 3.26  | 88  | 27118  | 8.28  | ng/uL | 98     |
| 4) Benzaldehyde                | 6.83  | 77  | 158756 | 23.46 | ng/ul | 93     |
| 6) Phenol                      | 6.88  | 94  | 220404 | 20.76 | ng/ul | 98     |
| 8) Bis(2-Chloroethyl)ether     | 7.10  | 93  | 171574 | 21.65 | ng/ul | 99     |
| 10) 2-Chlorophenol             | 7.23  | 128 | 172555 | 22.21 | ng/ul | 98     |
| 11) 2-Methylphenol             | 8.12  | 108 | 163196 | 21.00 | ng/ul | 99     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.20  | 45  | 192356 | 21.35 | ng/ul | 97     |
| 14) Acetophenone               | 8.49  | 105 | 273151 | 21.10 | ng/ul | 99     |
| 15) N-Nitroso-di-n-propylamine | 8.47  | 70  | 141565 | 21.28 | ng/ul | 98     |
| 16) 4-Methylphenol             | 8.45  | 108 | 176771 | 20.98 | ng/ul | 98     |
| 17) Hexachloroethane           | 8.72  | 117 | 75950  | 21.44 | ng/ul | 96     |
| 20) Nitrobenzene               | 8.87  | 77  | 211590 | 21.57 | ng/ul | 99     |
| 21) Isophorone                 | 9.39  | 82  | 378132 | 21.44 | ng/ul | 99     |
| 23) 2-Nitrophenol              | 9.57  | 139 | 94716  | 21.96 | ng/ul | 95     |
| 24) 2,4-Dimethylphenol         | 9.63  | 107 | 207391 | 21.53 | ng/ul | 96     |
| 25) Bis(2-Chloroethoxy)methane | 9.86  | 93  | 216601 | 21.62 | ng/ul | 97     |
| 27) 2,4-Dichlorophenol         | 10.10 | 162 | 165303 | 21.23 | ng/ul | 97     |
| 28) Naphthalene                | 10.49 | 128 | 536400 | 21.52 | ng/ul | 99     |
| 30) 4-Chloroaniline            | 10.62 | 127 | 204025 | 22.85 | ng/ul | 95     |
| 31) Hexachlorobutadiene        | 10.76 | 225 | 138648 | 21.91 | ng/ul | 98     |
| 32) Caprolactam                | 11.42 | 113 | 44814  | 18.34 | ng/ul | 92     |
| 33) 4-Chloro-3-methylphenol    | 11.76 | 107 | 175137 | 20.78 | ng/ul | 97     |
| 34) 2-Methylnaphthalene        | 12.10 | 142 | 381523 | 21.18 | ng/ul | 98     |

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Dec 16 03:09:13 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.48 | 216  | 235217   | 22.26 | ng/ul | 99       |
| 37) Hexachlorocyclopentadiene  | 12.45 | 237  | 80765    | 18.92 | ng/ul | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.74 | 196  | 132635   | 22.11 | ng/ul | 97       |
| 39) 2,4,5-Trichlorophenol      | 12.82 | 196  | 136825   | 20.91 | ng/ul | 97       |
| 40) 1,1'-Biphenyl              | 13.13 | 154  | 499130   | 22.17 | ng/ul | 98       |
| 41) 2-Chloronaphthalene        | 13.17 | 162  | 382042   | 22.13 | ng/ul | 99       |
| 42) 2-Nitroaniline             | 13.40 | 65   | 110345   | 21.61 | ng/ul | 96       |
| 44) Dimethylphthalate          | 13.77 | 163  | 461248   | 20.98 | ng/ul | 100      |
| 45) 2,6-Dinitrotoluene         | 13.91 | 165  | 92561    | 21.61 | ng/ul | 90       |
| 47) Acenaphthylene             | 14.03 | 152  | 586935   | 21.76 | ng/ul | 99       |
| 48) 3-Nitroaniline             | 14.24 | 138  | 87946    | 20.61 | ng/ul | 99       |
| 49) Acenaphthene               | 14.37 | 153  | 403307   | 21.75 | ng/ul | 98       |
| 50) 2,4-Dinitrophenol          | 14.47 | 184  | 64206    | 25.85 | ng/ul | 98       |
| 52) 4-Nitrophenol              | 14.57 | 109  | 50101    | 15.80 | ng/ul | 97       |
| 53) Dibenzofuran               | 14.71 | 168  | 582529   | 21.55 | ng/ul | 98       |
| 54) 2,4-Dinitrotoluene         | 14.71 | 165  | 132929   | 20.72 | ng/ul | 97       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.94 | 232  | 129310   | 21.40 | ng/ul | 96       |
| 56) Diethylphthalate           | 15.14 | 149  | 450607   | 20.60 | ng/ul | 98       |
| 58) Fluorene                   | 15.36 | 166  | 466310   | 21.01 | ng/ul | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.35 | 204  | 250909   | 21.26 | ng/ul | 97       |
| 60) 4-Nitroaniline             | 15.42 | 138  | 81318    | 19.80 | ng/ul | 92       |
| 63) 4,6-Dinitro-2-methylphenol | 15.47 | 198  | 75497    | 19.26 | ng/ul | 95       |
| 64) N-Nitrosodiphenylamine     | 15.57 | 169  | 389519   | 22.27 | ng/ul | 97       |
| 65) 4-Bromophenyl-phenylether  | 16.25 | 248  | 158229   | 22.43 | ng/ul | 97       |
| 66) Hexachlorobenzene          | 16.36 | 284  | 178168   | 22.28 | ng/ul | 99       |
| 67) Atrazine                   | 16.53 | 200  | 148570   | 20.72 | ng/ul | 99       |
| 68) Pentachlorophenol          | 16.72 | 266  | 83795    | 19.38 | ng/ul | 99       |
| 69) Phenanthrene               | 17.10 | 178  | 710964   | 21.59 | ng/ul | 99       |
| 71) Anthracene                 | 17.19 | 178  | 730646   | 21.86 | ng/ul | 98       |
| 72) Carbazole                  | 17.48 | 167  | 611387   | 20.77 | ng/ul | 98       |
| 73) Di-n-butylphthalate        | 18.03 | 149  | 707730   | 21.50 | ng/ul | 99       |
| 74) Fluoranthene               | 19.13 | 202  | 834539   | 20.63 | ng/ul | 100      |
| 77) Pyrene                     | 19.49 | 202  | 863210   | 22.17 | ng/ul | 99       |
| 78) Butylbenzylphthalate       | 20.39 | 149  | 321101   | 22.99 | ng/ul | 96       |
| 79) 3,3'-Dichlorobenzidine     | 21.18 | 252  | 306652   | 22.06 | ng/ul | 100      |
| 80) Benzo(a)anthracene         | 21.24 | 228  | 904659   | 22.07 | ng/ul | 100      |
| 81) Bis(2-ethylhexyl)phthalate | 21.16 | 149  | 472577   | 23.10 | ng/ul | 99       |
| 82) Chrysene                   | 21.30 | 228  | 872908   | 22.14 | ng/ul | 100      |
| 84) Di-n-octyl phthalate       | 22.03 | 149  | 823841   | 21.46 | ng/ul | 99       |
| 85) Benzo(b)fluoranthene       | 22.81 | 252  | 938533   | 21.73 | ng/ul | 99       |
| 86) Benzo(k)fluoranthene       | 22.86 | 252  | 913878   | 22.11 | ng/ul | 99       |
| 88) Benzo(a)pyrene             | 23.39 | 252  | 921615   | 22.14 | ng/ul | 99       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.72 | 276  | 1119330  | 22.15 | ng/ul | 99       |
| 90) Dibenzo(a,h)anthracene     | 25.72 | 278  | 941272   | 22.18 | ng/ul | 99       |
| 91) Benzo(g,h,i)perylene       | 26.40 | 276  | 931339   | 22.03 | ng/ul | 97       |

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

