

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092316\  
 Data File : BM007556.D  
 Acq On : 24 Sep 2016 10:48  
 Operator : UM/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02051

Manual Integrations  
 APPROVED

sohil  
 9/26/2016 6:35:39 PM

Quant Time: Sep 26 03:30:13 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM092316.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Sep 24 04:39:16 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.78  | 152  | 178050   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.56 | 136  | 843720   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.41 | 164  | 678890   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.16 | 188  | 1539239  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.34 | 240  | 2065861  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.60 | 264  | 2027969  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.30  | 96  | 30437   | 8.40  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.95  | 99  | 314073  | 19.87 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.12  | 67  | 176841  | 20.81 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.32  | 132 | 236313  | 20.59 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.49  | 113 | 274782  | 20.37 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.93  | 128 | 126253  | 20.93 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.65  | 143 | 147125  | 21.47 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.19 | 165 | 296001  | 21.68 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.70 | 131 | 307463  | 21.45 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.82 | 166 | 1030013 | 20.86 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.10 | 160 | 1186457 | 20.70 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.62 | 143 | 173832  | 19.94 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.40 | 176 | 888687  | 20.52 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.53 | 200 | 186059  | 19.81 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.26 | 188 | 1460088 | 20.64 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.55 | 212 | 1814994 | 22.14 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.46 | 264 | 1863886 | 20.77 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |             | Ovalue |
|--------------------------------|-------|-----|---------|-------------|--------|
| 2) 1,4-Dioxane                 | 3.34  | 88  | 29621   | 7.80 ng/ul  | 97     |
| 4) Benzaldehyde                | 6.93  | 77  | 220283  | 20.78 ng/ul | 100    |
| 6) Phenol                      | 6.98  | 94  | 321680  | 20.06 ng/ul | 98     |
| 8) Bis(2-Chloroethyl)ether     | 7.21  | 93  | 238963  | 20.81 ng/ul | 99     |
| 10) 2-Chlorophenol             | 7.35  | 128 | 240071  | 20.86 ng/ul | 99     |
| 11) 2-Methylphenol             | 8.22  | 108 | 250501  | 20.27 ng/ul | 98     |
| 12) 2,2'-oxybis(1-Chloropropan | 8.31  | 45  | 262533  | 21.01 ng/ul | 97     |
| 14) Acetophenone               | 8.60  | 105 | 425596  | 20.72 ng/ul | 98     |
| 15) N-Nitroso-di-n-propylamine | 8.59  | 70  | 229997  | 22.05 ng/ul | 92     |
| 16) 4-Methylphenol             | 8.55  | 108 | 283233  | 20.48 ng/ul | 97     |
| 17) Hexachloroethane           | 8.85  | 117 | 96295   | 20.45 ng/ul | 97     |
| 20) Nitrobenzene               | 8.98  | 77  | 325180  | 21.04 ng/ul | 97     |
| 21) Isophorone                 | 9.50  | 82  | 637783  | 21.57 ng/ul | 99     |
| 23) 2-Nitrophenol              | 9.69  | 139 | 151696  | 21.27 ng/ul | 94     |
| 24) 2,4-Dimethylphenol         | 9.75  | 107 | 347004  | 21.04 ng/ul | 100    |
| 25) Bis(2-Chloroethoxy)methane | 9.98  | 93  | 356998  | 21.16 ng/ul | 100    |
| 27) 2,4-Dichlorophenol         | 10.22 | 162 | 284485  | 21.14 ng/ul | 97     |
| 28) Naphthalene                | 10.61 | 128 | 834299  | 20.47 ng/ul | 99     |
| 30) 4-Chloroaniline            | 10.73 | 127 | 315041  | 21.00 ng/ul | 96     |
| 31) Hexachlorobutadiene        | 10.89 | 225 | 200310  | 20.38 ng/ul | 99     |
| 32) Caprolactam                | 11.50 | 113 | 101402m | 20.59 ng/ul |        |
| 33) 4-Chloro-3-methylphenol    | 11.86 | 107 | 353915  | 21.61 ng/ul | 92     |
| 34) 2-Methylnaphthalene        | 12.22 | 142 | 664899  | 20.79 ng/ul | 99     |

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| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.60 | 216  | 408287   | 20.40 | ng/ul | 97       |
| 37) Hexachlorocyclopentadiene  | 12.57 | 237  | 201064   | 18.70 | ng/ul | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.84 | 196  | 269246   | 21.08 | ng/ul | 98       |
| 39) 2,4,5-Trichlorophenol      | 12.92 | 196  | 291031   | 20.82 | ng/ul | 97       |
| 40) 1,1'-Biphenyl              | 13.24 | 154  | 930287   | 20.63 | ng/ul | 97       |
| 41) 2-Chloronaphthalene        | 13.29 | 162  | 715167   | 20.39 | ng/ul | 99       |
| 42) 2-Nitroaniline             | 13.50 | 65   | 233172   | 21.63 | ng/ul | 97       |
| 44) Dimethylphthalate          | 13.87 | 163  | 989395   | 20.66 | ng/ul | 99       |
| 45) 2,6-Dinitrotoluene         | 14.00 | 165  | 203772   | 21.45 | ng/ul | 97       |
| 47) Acenaphthylene             | 14.13 | 152  | 1179457  | 20.73 | ng/ul | 99       |
| 48) 3-Nitroaniline             | 14.33 | 138  | 199697   | 20.68 | ng/ul | 97       |
| 49) Acenaphthene               | 14.47 | 153  | 802467   | 20.51 | ng/ul | 99       |
| 50) 2,4-Dinitrophenol          | 14.54 | 184  | 114657   | 18.07 | ng/ul | 89       |
| 52) 4-Nitrophenol              | 14.64 | 109  | 178807   | 19.71 | ng/ul | 89       |
| 53) Dibenzofuran               | 14.81 | 168  | 1180950  | 20.46 | ng/ul | 96       |
| 54) 2,4-Dinitrotoluene         | 14.79 | 165  | 314290   | 21.45 | ng/ul | 100      |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.04 | 232  | 289301   | 20.92 | ng/ul | 95       |
| 56) Diethylphthalate           | 15.23 | 149  | 1029169  | 21.06 | ng/ul | 99       |
| 58) Fluorene                   | 15.46 | 166  | 963061   | 20.22 | ng/ul | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.46 | 204  | 514650   | 20.53 | ng/ul | 98       |
| 60) 4-Nitroaniline             | 15.49 | 138  | 216808   | 20.42 | ng/ul | 90       |
| 63) 4,6-Dinitro-2-methylphenol | 15.55 | 198  | 191849   | 19.89 | ng/ul | 97       |
| 64) N-Nitrosodiphenylamine     | 15.67 | 169  | 874255   | 21.02 | ng/ul | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.35 | 248  | 351710   | 20.97 | ng/ul | 98       |
| 66) Hexachlorobenzene          | 16.46 | 284  | 393813   | 20.84 | ng/ul | 95       |
| 67) Atrazine                   | 16.62 | 200  | 360953   | 20.85 | ng/ul | 98       |
| 68) Pentachlorophenol          | 16.81 | 266  | 241519   | 20.41 | ng/ul | 100      |
| 69) Phenanthrene               | 17.20 | 178  | 1666146  | 20.44 | ng/ul | 99       |
| 71) Anthracene                 | 17.29 | 178  | 1699346  | 20.54 | ng/ul | 99       |
| 72) Carbazole                  | 17.56 | 167  | 1522650  | 20.71 | ng/ul | 99       |
| 73) Di-n-butylphthalate        | 18.12 | 149  | 1795822  | 21.59 | ng/ul | 99       |
| 74) Fluoranthene               | 19.22 | 202  | 2156708  | 20.98 | ng/ul | 98       |
| 77) Pyrene                     | 19.58 | 202  | 2225545  | 21.96 | ng/ul | 97       |
| 78) Butylbenzylphthalate       | 20.47 | 149  | 896851   | 23.05 | ng/ul | 98       |
| 79) 3,3'-Dichlorobenzidine     | 21.26 | 252  | 793362   | 20.90 | ng/ul | 99       |
| 80) Benzo(a)anthracene         | 21.32 | 228  | 2373362  | 21.02 | ng/ul | 100      |
| 81) Bis(2-ethylhexyl)phthalate | 21.24 | 149  | 1302384  | 23.22 | ng/ul | 99       |
| 82) Chrysene                   | 21.37 | 228  | 2242418  | 20.80 | ng/ul | 99       |
| 84) Di-n-octyl phthalate       | 22.13 | 149  | 2318799  | 23.67 | ng/ul | 100      |
| 85) Benzo(b)fluoranthene       | 22.92 | 252  | 2468619  | 21.70 | ng/ul | 99       |
| 86) Benzo(k)fluoranthene       | 22.97 | 252  | 2234076  | 20.41 | ng/ul | 99       |
| 88) Benzo(a)pyrene             | 23.50 | 252  | 2256292  | 20.66 | ng/ul | 100      |
| 89) Indeno(1,2,3-cd)pyrene     | 25.89 | 276  | 2382109  | 19.75 | ng/ul | 99       |
| 90) Dibenzo(a,h)anthracene     | 25.90 | 278  | 1970398  | 19.84 | ng/ul | 98       |
| 91) Benzo(g,h,i)perylene       | 26.59 | 276  | 1979484  | 19.57 | ng/ul | 97       |

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

