

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM102117\  
 Data File : BM012407.D  
 Acq On : 22 Oct 2017 21:24  
 Operator : SJ/JU  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTD02027

Quant Time: Oct 23 18:07:48 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM101217.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Mon Oct 23 18:04:39 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.77  | 152  | 421000   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.57 | 136  | 1792218  | 20.00 | ng/ul | 0.01     |
| 35) Acenaphthene-d10      | 14.43 | 164  | 1075684  | 20.00 | ng/ul | 0.01     |
| 61) Phenanthrene-d10      | 17.18 | 188  | 2323356  | 20.00 | ng/ul | 0.01     |
| 75) Chrysene-d12          | 21.37 | 240  | 1945546  | 20.00 | ng/ul | 0.01     |
| 83) Perylene-d12          | 23.68 | 264  | 1921642  | 20.00 | ng/ul | 0.03     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.19  | 96  | 53392   | 6.03  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.95  | 99  | 616307  | 18.04 | ng/ul | 0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.10  | 67  | 369580  | 18.04 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.31  | 132 | 555471  | 19.17 | ng/ul | 0.01 |
| 13) 4-Methylphenol-d8          | 8.50  | 113 | 546603  | 18.59 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 8.94  | 128 | 264227  | 19.32 | ng/ul | 0.01 |
| 22) 2-Nitrophenol-d4           | 9.67  | 143 | 303427  | 18.99 | ng/ul | 0.01 |
| 26) 2,4-Dichlorophenol-d3      | 10.21 | 165 | 615223  | 20.16 | ng/ul | 0.01 |
| 29) 4-Chloroaniline-d4         | 10.72 | 131 | 721027  | 25.25 | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6       | 13.84 | 166 | 1799161 | 18.92 | ng/ul | 0.01 |
| 46) Acenaphthylene-d8          | 14.12 | 160 | 2226960 | 19.35 | ng/ul | 0.01 |
| 51) 4-Nitrophenol-d4           | 14.68 | 143 | 202525  | 14.17 | ng/ul | 0.02 |
| 57) Fluorene-d10               | 15.42 | 176 | 1497078 | 19.19 | ng/ul | 0.01 |
| 62) 4,6-Dinitro-2-methylphenol | 15.59 | 200 | 89886   | 5.64  | ng/ul | 0.02 |
| 70) Anthracene-d10             | 17.28 | 188 | 2206154 | 19.20 | ng/ul | 0.01 |
| 76) Pyrene-d10                 | 19.58 | 212 | 2046117 | 20.72 | ng/ul | 0.02 |
| 87) Benzo(a)pyrene-d12         | 23.53 | 264 | 1814372 | 19.59 | ng/ul | 0.03 |

## Target Compounds

|                                |       |     |         |              | Qvalue |
|--------------------------------|-------|-----|---------|--------------|--------|
| 2) 1,4-Dioxane                 | 3.22  | 88  | 55637   | 6.155 ng/uL# | 94     |
| 4) Benzaldehyde                | 6.92  | 77  | 415745  | 18.214 ng/ul | 97     |
| 6) Phenol                      | 6.98  | 94  | 635354  | 17.993 ng/ul | 95     |
| 8) Bis(2-Chloroethyl)ether     | 7.20  | 93  | 480170  | 17.844 ng/ul | 92     |
| 10) 2-Chlorophenol             | 7.34  | 128 | 559392  | 18.917 ng/ul | 96     |
| 11) 2-Methylphenol             | 8.22  | 108 | 498457  | 18.768 ng/ul | 100    |
| 12) 2,2'-oxybis(1-Chloropropan | 8.30  | 45  | 596128  | 17.447 ng/ul | 97     |
| 14) Acetophenone               | 8.61  | 105 | 837121  | 18.729 ng/ul | 93     |
| 15) N-Nitroso-di-n-propylamine | 8.58  | 70  | 444772  | 18.568 ng/ul | 89     |
| 16) 4-Methylphenol             | 8.56  | 108 | 540669  | 18.474 ng/ul | 96     |
| 17) Hexachloroethane           | 8.83  | 117 | 223437  | 17.907 ng/ul | 81     |
| 20) Nitrobenzene               | 8.99  | 77  | 652549  | 19.203 ng/ul | 98     |
| 21) Isophorone                 | 9.51  | 82  | 1173951 | 18.492 ng/ul | 98     |
| 23) 2-Nitrophenol              | 9.70  | 139 | 316540  | 18.470 ng/ul | 94     |
| 24) 2,4-Dimethylphenol         | 9.75  | 107 | 640219  | 18.537 ng/ul | 98     |
| 25) Bis(2-Chloroethoxy)methane | 9.98  | 93  | 672002  | 18.052 ng/ul | 99     |
| 27) 2,4-Dichlorophenol         | 10.24 | 162 | 599033  | 19.931 ng/ul | 96     |
| 28) Naphthalene                | 10.62 | 128 | 1785014 | 19.251 ng/ul | 98     |
| 30) 4-Chloroaniline            | 10.75 | 127 | 710953  | 25.318 ng/ul | 100    |
| 31) Hexachlorobutadiene        | 10.88 | 225 | 450807  | 20.237 ng/ul | 98     |
| 32) Caprolactam                | 11.57 | 113 | 113253  | 11.936 ng/ul | 88     |
| 33) 4-Chloro-3-methylphenol    | 11.89 | 107 | 587726  | 18.664 ng/ul | 97     |
| 34) 2-Methylnaphthalene        | 12.24 | 142 | 1349747 | 19.290 ng/ul | 98     |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.61 | 216  | 769712   | 19.712 | ng/ul# | 98       |
| 37) Hexachlorocyclopentadiene  | 12.57 | 237  | 33356    | 1.917  | ng/ul  | 96       |
| 38) 2,4,6-Trichlorophenol      | 12.87 | 196  | 510459   | 19.717 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 12.95 | 196  | 517900   | 19.438 | ng/ul  | 99       |
| 40) 1,1'-Biphenyl              | 13.25 | 154  | 1769839  | 19.495 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.31 | 162  | 1403935  | 19.709 | ng/ul  | 98       |
| 42) 2-Nitroaniline             | 13.53 | 65   | 390087   | 19.681 | ng/ul  | 94       |
| 44) Dimethylphthalate          | 13.89 | 163  | 1773760  | 18.622 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 14.03 | 165  | 365816   | 19.349 | ng/ul  | 93       |
| 47) Acenaphthylene             | 14.15 | 152  | 2186359  | 19.347 | ng/ul  | 98       |
| 48) 3-Nitroaniline             | 14.36 | 138  | 351650   | 23.906 | ng/ul  | 92       |
| 49) Acenaphthene               | 14.49 | 153  | 1473048  | 19.352 | ng/ul  | 97       |
| 50) 2,4-Dinitrophenol          | 14.61 | 184  | 56468    | 5.260  | ng/ul  | 85       |
| 52) 4-Nitrophenol              | 14.70 | 109  | 196436   | 15.293 | ng/ul  | 93       |
| 53) Dibenzofuran               | 14.83 | 168  | 2162832  | 19.733 | ng/ul  | 96       |
| 54) 2,4-Dinitrotoluene         | 14.84 | 165  | 535428   | 19.540 | ng/ul# | 77       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.07 | 232  | 433357   | 17.773 | ng/ul# | 88       |
| 56) Diethylphthalate           | 15.25 | 149  | 1837454  | 17.846 | ng/ul  | 98       |
| 58) Fluorene                   | 15.48 | 166  | 1752711  | 19.254 | ng/ul  | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.47 | 204  | 922551   | 19.293 | ng/ul  | 98       |
| 60) 4-Nitroaniline             | 15.54 | 138  | 323289   | 17.800 | ng/ul  | 90       |
| 63) 4,6-Dinitro-2-methylphenol | 15.61 | 198  | 95624    | 5.681  | ng/ul# | 87       |
| 64) N-Nitrosodiphenylamine     | 15.69 | 169  | 1454075  | 19.995 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.37 | 248  | 571904   | 20.564 | ng/ul  | 96       |
| 66) Hexachlorobenzene          | 16.49 | 284  | 614746   | 19.511 | ng/ul  | 96       |
| 67) Atrazine                   | 16.65 | 200  | 536480   | 17.643 | ng/ul  | 97       |
| 68) Pentachlorophenol          | 16.85 | 266  | 326231   | 18.565 | ng/ul  | 95       |
| 69) Phenanthrene               | 17.23 | 178  | 2528022  | 19.127 | ng/ul  | 99       |
| 71) Anthracene                 | 17.32 | 178  | 2617722  | 19.131 | ng/ul  | 99       |
| 72) Carbazole                  | 17.59 | 167  | 2138850  | 18.470 | ng/ul  | 99       |
| 73) Di-n-butylphthalate        | 18.13 | 149  | 3059565  | 19.030 | ng/ul  | 99       |
| 74) Fluoranthene               | 19.25 | 202  | 2614557  | 16.392 | ng/ul  | 97       |
| 77) Pyrene                     | 19.61 | 202  | 2606897  | 20.289 | ng/ul  | 98       |
| 78) Butylbenzylphthalate       | 20.49 | 149  | 1217766  | 21.291 | ng/ul  | 95       |
| 79) 3,3'-Dichlorobenzidine     | 21.28 | 252  | 887823   | 22.929 | ng/ul# | 99       |
| 80) Benzo(a)anthracene         | 21.36 | 228  | 2407403  | 19.017 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.25 | 149  | 1856631  | 21.633 | ng/ul  | 97       |
| 82) Chrysene                   | 21.41 | 228  | 2134862  | 17.962 | ng/ul  | 100      |
| 84) Di-n-octyl phthalate       | 22.14 | 149  | 2895128  | 20.607 | ng/ul# | 92       |
| 85) Benzo(b)fluoranthene       | 22.98 | 252  | 2350156  | 18.741 | ng/ul# | 97       |
| 86) Benzo(k)fluoranthene       | 23.02 | 252  | 2242806  | 18.559 | ng/ul# | 98       |
| 88) Benzo(a)pyrene             | 23.58 | 252  | 2274280  | 19.242 | ng/ul# | 97       |
| 89) Indeno(1,2,3-cd)pyrene     | 26.04 | 276  | 2741100  | 21.839 | ng/ul# | 97       |
| 90) Dibenzo(a,h)anthracene     | 26.04 | 278  | 2316647  | 21.956 | ng/ul# | 98       |
| 91) Benzo(g,h,i)perylene       | 26.77 | 276  | 2220201  | 21.597 | ng/ul# | 96       |

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

