

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102417\  
 Data File : BM012415.D  
 Acq On : 24 Oct 2017 13:20  
 Operator : SJ/JU  
 Sample : SSTDICV020  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SICV55

Manual Integrations  
 APPROVED

Sohil  
 10/25/2017 3:35:44 PM

Quant Time: Oct 24 15:00:46 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Oct 24 14:58:27 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.88  | 152  | 379928   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.67 | 136  | 1670165  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.51 | 164  | 1161434  | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.25 | 188  | 2886240  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.42 | 240  | 3403363  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.72 | 264  | 3353222  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.37  | 96  | 61829   | 8.31  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.05  | 99  | 631280  | 19.89 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.22  | 67  | 380031  | 20.17 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.42  | 132 | 483005  | 20.32 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.58  | 113 | 548441  | 20.22 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.03  | 128 | 225655  | 21.57 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.76  | 143 | 238001  | 22.08 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.29 | 165 | 579064  | 20.29 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.80 | 131 | 687854  | 22.85 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.92 | 166 | 2025129 | 19.96 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.20 | 160 | 2394391 | 19.95 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.70 | 143 | 299909  | 19.88 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.50 | 176 | 1689788 | 19.68 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.62 | 200 | 274752  | 19.67 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.35 | 188 | 2790658 | 20.29 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.63 | 212 | 3201382 | 20.50 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.58 | 264 | 3210462 | 20.15 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue |     |
|--------------------------------|-------|-----|---------|--------|--------|-----|
| 2) 1,4-Dioxane                 | 3.40  | 88  | 65426   | 8.237  | ng/uL# | 66  |
| 4) Benzaldehyde                | 7.02  | 77  | 455142  | 26.373 | ng/ul  | 96  |
| 6) Phenol                      | 7.07  | 94  | 655472  | 19.835 | ng/ul  | 89  |
| 8) Bis(2-Chloroethyl)ether     | 7.30  | 93  | 491590  | 20.228 | ng/ul  | 93  |
| 10) 2-Chlorophenol             | 7.45  | 128 | 505338  | 20.773 | ng/ul  | 98  |
| 11) 2-Methylphenol             | 8.32  | 108 | 495729  | 19.896 | ng/ul  | 98  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.42  | 45  | 545787  | 20.440 | ng/ul# | 82  |
| 14) Acetophenone               | 8.70  | 105 | 864736  | 20.290 | ng/ul  | 92  |
| 15) N-Nitroso-di-n-propylamine | 8.69  | 70  | 481849  | 20.717 | ng/ul# | 65  |
| 16) 4-Methylphenol             | 8.65  | 108 | 546514  | 20.040 | ng/ul  | 93  |
| 17) Hexachloroethane           | 8.96  | 117 | 207623  | 20.140 | ng/ul  | 85  |
| 20) Nitrobenzene               | 9.07  | 77  | 662271  | 21.979 | ng/ul  | 98  |
| 21) Isophorone                 | 9.60  | 82  | 1296071 | 20.325 | ng/ul  | 96  |
| 23) 2-Nitrophenol              | 9.79  | 139 | 269707  | 22.525 | ng/ul# | 83  |
| 24) 2,4-Dimethylphenol         | 9.85  | 107 | 685136  | 20.339 | ng/ul  | 93  |
| 25) Bis(2-Chloroethoxy)methane | 10.09 | 93  | 725401  | 20.242 | ng/ul  | 95  |
| 27) 2,4-Dichlorophenol         | 10.32 | 162 | 577392  | 20.733 | ng/ul# | 90  |
| 28) Naphthalene                | 10.73 | 128 | 1685192 | 20.350 | ng/ul  | 100 |
| 30) 4-Chloroaniline            | 10.83 | 127 | 698524  | 23.045 | ng/ul  | 95  |
| 31) Hexachlorobutadiene        | 11.02 | 225 | 432515  | 20.244 | ng/ul  | 96  |
| 32) Caprolactam                | 11.59 | 113 | 182280m | 20.210 | ng/ul  |     |
| 33) 4-Chloro-3-methylphenol    | 11.95 | 107 | 643213  | 20.558 | ng/ul  | 98  |
| 34) 2-Methylnaphthalene        | 12.33 | 142 | 1355158 | 20.151 | ng/ul  | 97  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.70 | 216  | 816462   | 19.851 | ng/ul  | 97       |
| 37) Hexachlorocyclopentadiene  | 12.69 | 237  | 513447   | 19.331 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.94 | 196  | 507327   | 20.599 | ng/ul  | 95       |
| 39) 2,4,5-Trichlorophenol      | 13.01 | 196  | 547888   | 20.988 | ng/ul  | 96       |
| 40) 1,1'-Biphenyl              | 13.35 | 154  | 1871492  | 20.197 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.39 | 162  | 1471065  | 20.239 | ng/ul  | 99       |
| 42) 2-Nitroaniline             | 13.59 | 65   | 392568   | 23.224 | ng/ul  | 95       |
| 44) Dimethylphthalate          | 13.97 | 163  | 2015695  | 20.084 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 14.08 | 165  | 363527   | 22.793 | ng/ul  | 96       |
| 47) Acenaphthylene             | 14.23 | 152  | 2313370  | 20.196 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.41 | 138  | 335897   | 22.476 | ng/ul  | 95       |
| 49) Acenaphthene               | 14.57 | 153  | 1570151  | 20.013 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.61 | 184  | 172323   | 19.248 | ng/ul  | 91       |
| 52) 4-Nitrophenol              | 14.71 | 109  | 318398   | 20.806 | ng/ul# | 85       |
| 53) Dibenzofuran               | 14.91 | 168  | 2322984  | 20.008 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 14.86 | 165  | 548000   | 22.941 | ng/ul  | 86       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.13 | 232  | 508410   | 21.042 | ng/ul  | 94       |
| 56) Diethylphthalate           | 15.34 | 149  | 2045627  | 19.993 | ng/ul  | 97       |
| 58) Fluorene                   | 15.56 | 166  | 1952589  | 19.884 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.56 | 204  | 1074240  | 20.106 | ng/ul  | 99       |
| 60) 4-Nitroaniline             | 15.57 | 138  | 392879   | 20.971 | ng/ul  | 96       |
| 63) 4,6-Dinitro-2-methylphenol | 15.63 | 198  | 302765   | 19.708 | ng/ul# | 90       |
| 64) N-Nitrosodiphenylamine     | 15.76 | 169  | 1701647  | 20.288 | ng/ul  | 98       |
| 65) 4-Bromophenyl-phenylether  | 16.44 | 248  | 702719   | 20.324 | ng/ul  | 96       |
| 66) Hexachlorobenzene          | 16.56 | 284  | 768917   | 20.105 | ng/ul  | 94       |
| 67) Atrazine                   | 16.72 | 200  | 727813   | 20.178 | ng/ul  | 93       |
| 68) Pentachlorophenol          | 16.90 | 266  | 415097   | 19.845 | ng/ul  | 99       |
| 69) Phenanthrene               | 17.29 | 178  | 3183151  | 20.394 | ng/ul  | 99       |
| 71) Anthracene                 | 17.39 | 178  | 3290997  | 20.400 | ng/ul  | 99       |
| 72) Carbazole                  | 17.65 | 167  | 2816841  | 21.079 | ng/ul  | 100      |
| 73) Di-n-butylphthalate        | 18.22 | 149  | 3505068  | 20.568 | ng/ul  | 98       |
| 74) Fluoranthene               | 19.30 | 202  | 3963830  | 22.412 | ng/ul# | 95       |
| 77) Pyrene                     | 19.66 | 202  | 4124262  | 21.310 | ng/ul# | 93       |
| 78) Butylbenzylphthalate       | 20.57 | 149  | 1573516  | 20.636 | ng/ul  | 91       |
| 79) 3,3'-Dichlorobenzidine     | 21.34 | 252  | 1551808  | 20.777 | ng/ul  | 95       |
| 80) Benzo(a)anthracene         | 21.40 | 228  | 4251222  | 20.860 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.34 | 149  | 2367786  | 20.410 | ng/ul  | 99       |
| 82) Chrysene                   | 21.46 | 228  | 3734660  | 20.611 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.24 | 149  | 3906447  | 22.459 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 23.03 | 252  | 4243638  | 20.472 | ng/ul# | 98       |
| 86) Benzo(k)fluoranthene       | 23.07 | 252  | 4091180  | 20.970 | ng/ul# | 99       |
| 88) Benzo(a)pyrene             | 23.63 | 252  | 4031466  | 20.399 | ng/ul# | 97       |
| 89) Indeno(1,2,3-cd)pyrene     | 26.07 | 276  | 4424886  | 19.024 | ng/ul# | 97       |
| 90) Dibenzo(a,h)anthracene     | 26.08 | 278  | 3789785  | 19.219 | ng/ul# | 97       |
| 91) Benzo(g,h,i)perylene       | 26.79 | 276  | 3548741  | 18.825 | ng/ul# | 97       |

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

