

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072018\  
 Data File : BN002091.D  
 Acq On : 20 Jul 2018 09:33  
 Operator : JU/SJ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleID :  
 SSTD02015

Manual Integrations  
 APPROVED

Sohil  
 7/23/2018 5:46:02 PM

Quant Time: Jul 20 23:53:04 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 20 02:57:55 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.70  | 152  | 244519   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.48 | 136  | 1126556  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.33 | 164  | 688334   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.08 | 188  | 1543445  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.28 | 240  | 1554144  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.52 | 264  | 1365474  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.26  | 96  | 40664   | 7.50  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.88  | 99  | 437697  | 19.01 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.04  | 67  | 270330  | 19.27 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.23  | 132 | 351402  | 19.32 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.40  | 113 | 358574  | 19.33 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.85  | 128 | 181034  | 19.40 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.56  | 143 | 202722  | 19.21 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.10 | 165 | 371694  | 19.45 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.61 | 131 | 490429  | 22.33 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.75 | 166 | 1152612 | 19.75 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.02 | 160 | 1436517 | 19.79 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.55 | 143 | 197896  | 17.75 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.33 | 176 | 999234  | 19.91 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.45 | 200 | 188029  | 18.70 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.18 | 188 | 1530549 | 20.34 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.48 | 212 | 1632432 | 20.21 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.37 | 264 | 1479188 | 20.06 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue |     |
|--------------------------------|-------|-----|---------|--------|--------|-----|
| 2) 1,4-Dioxane                 | 3.29  | 88  | 44453   | 8.172  | ng/uL# | 86  |
| 4) Benzaldehyde                | 6.85  | 77  | 287215  | 21.028 | ng/ul  | 97  |
| 6) Phenol                      | 6.90  | 94  | 443683  | 19.187 | ng/ul  | 95  |
| 8) Bis(2-Chloroethyl)ether     | 7.13  | 93  | 343356  | 19.473 | ng/ul  | 89  |
| 10) 2-Chlorophenol             | 7.27  | 128 | 350700  | 19.332 | ng/ul# | 92  |
| 11) 2-Methylphenol             | 8.14  | 108 | 339948  | 19.115 | ng/ul  | 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.23  | 45  | 540161  | 18.635 | ng/ul# | 86  |
| 14) Acetophenone               | 8.51  | 105 | 574265  | 20.400 | ng/ul# | 91  |
| 15) N-Nitroso-di-n-propylamine | 8.50  | 70  | 299769  | 19.433 | ng/ul# | 86  |
| 16) 4-Methylphenol             | 8.47  | 108 | 373604  | 19.360 | ng/ul  | 98  |
| 17) Hexachloroethane           | 8.76  | 117 | 143262  | 19.979 | ng/ul  | 100 |
| 20) Nitrobenzene               | 8.89  | 77  | 426454  | 19.852 | ng/ul  | 95  |
| 21) Isophorone                 | 9.41  | 82  | 830335  | 19.318 | ng/ul  | 98  |
| 23) 2-Nitrophenol              | 9.59  | 139 | 209541  | 19.387 | ng/ul# | 90  |
| 24) 2,4-Dimethylphenol         | 9.66  | 107 | 433266  | 20.022 | ng/ul  | 98  |
| 25) Bis(2-Chloroethoxy)methane | 9.89  | 93  | 492052  | 19.017 | ng/ul  | 99  |
| 27) 2,4-Dichlorophenol         | 10.13 | 162 | 364024  | 19.850 | ng/ul  | 98  |
| 28) Naphthalene                | 10.52 | 128 | 1170650 | 19.669 | ng/ul  | 100 |
| 30) 4-Chloroaniline            | 10.63 | 127 | 489358  | 22.685 | ng/ul  | 99  |
| 31) Hexachlorobutadiene        | 10.81 | 225 | 221697  | 20.399 | ng/ul  | 96  |
| 32) Caprolactam                | 11.39 | 113 | 125899m | 18.470 | ng/ul  |     |
| 33) 4-Chloro-3-methylphenol    | 11.77 | 107 | 408809  | 19.818 | ng/ul  | 100 |
| 34) 2-Methylnaphthalene        | 12.14 | 142 | 852185  | 19.630 | ng/ul  | 98  |

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 20 02:57:55 2018  
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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.51 | 216  | 444190   | 19.901 | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 12.49 | 237  | 266887   | 18.851 | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.76 | 196  | 299785   | 19.540 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 12.83 | 196  | 312425   | 19.278 | ng/ul  | 100      |
| 40) 1,1'-Biphenyl              | 13.16 | 154  | 1135339  | 19.819 | ng/ul  | 98       |
| 41) 2-Chloronaphthalene        | 13.20 | 162  | 881311   | 19.786 | ng/ul  | 97       |
| 42) 2-Nitroaniline             | 13.41 | 65   | 277803   | 19.398 | ng/ul  | 85       |
| 44) Dimethylphthalate          | 13.79 | 163  | 1133049  | 19.826 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.91 | 165  | 242039   | 20.038 | ng/ul  | 98       |
| 47) Acenaphthylene             | 14.05 | 152  | 1383869  | 19.860 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.24 | 138  | 238340   | 20.018 | ng/ul  | 91       |
| 49) Acenaphthene               | 14.39 | 153  | 945818   | 19.665 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.45 | 184  | 118080   | 16.619 | ng/ul# | 1        |
| 52) 4-Nitrophenol              | 14.56 | 109  | 159813   | 20.513 | ng/ul# | 88       |
| 53) Dibenzofuran               | 14.73 | 168  | 1340279  | 19.723 | ng/ul  | 95       |
| 54) 2,4-Dinitrotoluene         | 14.70 | 165  | 351409   | 20.059 | ng/ul  | 93       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.96 | 232  | 277110   | 19.473 | ng/ul  | 96       |
| 56) Diethylphthalate           | 15.16 | 149  | 1151437  | 19.841 | ng/ul  | 100      |
| 58) Fluorene                   | 15.38 | 166  | 1093783  | 20.161 | ng/ul  | 100      |
| 59) 4-Chlorophenyl-phenylether | 15.38 | 204  | 552960   | 20.521 | ng/ul  | 93       |
| 60) 4-Nitroaniline             | 15.40 | 138  | 266755   | 19.352 | ng/ul  | 96       |
| 63) 4,6-Dinitro-2-methylphenol | 15.47 | 198  | 195527   | 18.786 | ng/ul  | 98       |
| 64) N-Nitrosodiphenylamine     | 15.60 | 169  | 942436   | 19.963 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.27 | 248  | 339840   | 20.010 | ng/ul  | 92       |
| 66) Hexachlorobenzene          | 16.39 | 284  | 377255   | 20.073 | ng/ul  | 95       |
| 67) Atrazine                   | 16.55 | 200  | 356324   | 20.918 | ng/ul  | 98       |
| 68) Pentachlorophenol          | 16.73 | 266  | 201934   | 18.889 | ng/ul  | 99       |
| 69) Phenanthrene               | 17.12 | 178  | 1748381  | 20.171 | ng/ul  | 99       |
| 71) Anthracene                 | 17.21 | 178  | 1801345  | 20.405 | ng/ul  | 100      |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.12 | 216  | 472415   | 20.527 | ng/ul  | 98       |
| 73) Pentachlorobenzene         | 14.65 | 250  | 437265   | 20.312 | ng/ul  | 100      |
| 74) Carbazole                  | 17.49 | 167  | 1574846  | 21.090 | ng/ul  | 98       |
| 75) Di-n-butylphthalate        | 18.05 | 149  | 1979931  | 20.053 | ng/ul  | 100      |
| 76) Fluoranthene               | 19.15 | 202  | 2016980  | 21.927 | ng/ul  | 98       |
| 79) Pvrene                     | 19.51 | 202  | 2037949  | 20.435 | ng/ul  | 97       |
| 80) Butylbenzylphthalate       | 20.42 | 149  | 915431   | 19.326 | ng/ul  | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.20 | 252  | 653648   | 19.835 | ng/ul  | 99       |
| 82) Benzo(a)anthracene         | 21.26 | 228  | 1971570  | 19.916 | ng/ul  | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.20 | 149  | 1332688  | 19.870 | ng/ul  | 98       |
| 84) Chrysene                   | 21.32 | 228  | 1817330  | 19.698 | ng/ul  | 99       |
| 86) Di-n-octyl phthalate       | 22.09 | 149  | 2254723  | 25.141 | ng/ul# | 95       |
| 87) Benzo(b)fluoranthene       | 22.85 | 252  | 1809705  | 21.533 | ng/ul  | 99       |
| 88) Benzo(k)fluoranthene       | 22.89 | 252  | 1687335  | 21.134 | ng/ul  | 99       |
| 90) Benzo(a)pyrene             | 23.42 | 252  | 1635904  | 20.486 | ng/ul  | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.75 | 276  | 1600583  | 17.340 | ng/ul  | 95       |
| 92) Dibenzo(a,h)anthracene     | 25.76 | 278  | 1355312  | 17.543 | ng/ul  | 97       |
| 93) Benzo(g,h,i)perylene       | 26.43 | 276  | 1277853  | 16.474 | ng/ul  | 98       |

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

