

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN100818\  
 Data File : BN002983.D  
 Acq On : 08 Oct 2018 11:38  
 Operator : MJ/SJ  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02088

Quant Time: Oct 08 17:20:05 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Oct 06 02:55:40 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.62  | 152  | 104235   | 20.00 | ng/ul | -0.01    |
| 18) Naphthalene-d8        | 10.39 | 136  | 466210   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.26 | 164  | 282238   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.02 | 188  | 664312   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.23 | 240  | 771075   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.44 | 264  | 787208   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.19  | 96  | 17256  | 7.64  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.82  | 99  | 180655 | 20.41 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.96  | 67  | 108120 | 19.67 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.16  | 132 | 147271 | 20.21 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.34  | 113 | 145617 | 21.24 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.77  | 128 | 72731  | 20.14 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.49  | 143 | 85228  | 20.85 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.03 | 165 | 153313 | 20.78 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.54 | 131 | 194244 | 22.76 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.67 | 166 | 463901 | 21.00 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.95 | 160 | 588065 | 20.39 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.52 | 143 | 67235  | 18.41 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.26 | 176 | 411544 | 21.26 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.41 | 200 | 81996  | 19.73 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.12 | 188 | 654748 | 20.64 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.42 | 212 | 729036 | 17.92 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.30 | 264 | 840590 | 20.29 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Qvalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.22  | 88  | 16889  | 6.686  | ng/uL 94  |
| 4) Benzaldehyde                | 6.78  | 77  | 113077 | 23.367 | ng/ul 97  |
| 6) Phenol                      | 6.85  | 94  | 181703 | 20.357 | ng/ul 97  |
| 8) Bis(2-Chloroethyl)ether     | 7.06  | 93  | 138377 | 20.156 | ng/ul 97  |
| 10) 2-Chlorophenol             | 7.19  | 128 | 148831 | 20.585 | ng/ul 94  |
| 11) 2-Methylphenol             | 8.08  | 108 | 139325 | 20.786 | ng/ul 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.15  | 45  | 202875 | 18.867 | ng/ul 99  |
| 14) Acetophenone               | 8.44  | 105 | 219297 | 20.763 | ng/ul 98  |
| 15) N-Nitroso-di-n-propylamine | 8.42  | 70  | 112830 | 21.257 | ng/ul# 95 |
| 16) 4-Methylphenol             | 8.40  | 108 | 150330 | 21.146 | ng/ul 98  |
| 17) Hexachloroethane           | 8.68  | 117 | 57307  | 19.716 | ng/ul 95  |
| 20) Nitrobenzene               | 8.82  | 77  | 162505 | 19.359 | ng/ul 96  |
| 21) Isophorone                 | 9.33  | 82  | 320796 | 20.715 | ng/ul 98  |
| 23) 2-Nitrophenol              | 9.52  | 139 | 88731  | 20.969 | ng/ul 97  |
| 24) 2,4-Dimethylphenol         | 9.59  | 107 | 168265 | 20.166 | ng/ul 95  |
| 25) Bis(2-Chloroethoxy)methane | 9.82  | 93  | 197900 | 20.309 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.06 | 162 | 149404 | 20.866 | ng/ul 95  |
| 28) Naphthalene                | 10.44 | 128 | 475002 | 19.768 | ng/ul 98  |
| 30) 4-Chloroaniline            | 10.56 | 127 | 192489 | 22.526 | ng/ul 97  |
| 31) Hexachlorobutadiene        | 10.72 | 225 | 86144  | 18.835 | ng/ul 94  |
| 32) Caprolactam                | 11.32 | 113 | 52508  | 23.876 | ng/ul 94  |
| 33) 4-Chloro-3-methylphenol    | 11.71 | 107 | 160574 | 21.993 | ng/ul 95  |
| 34) 2-Methylnaphthalene        | 12.06 | 142 | 351709 | 20.941 | ng/ul 99  |

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Oct 06 02:55:40 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.44 | 216  | 179875   | 19.185 | ng/ul  | 97       |
| 37) Hexachlorocyclopentadiene  | 12.41 | 237  | 50881    | 12.127 | ng/ul  | 99       |
| 38) 2,4,6-Trichlorophenol      | 12.69 | 196  | 118796   | 19.861 | ng/ul  | 97       |
| 39) 2,4,5-Trichlorophenol      | 12.78 | 196  | 123101   | 19.651 | ng/ul  | 96       |
| 40) 1,1'-Biphenyl              | 13.09 | 154  | 449423   | 19.333 | ng/ul  | 100      |
| 41) 2-Chloronaphthalene        | 13.13 | 162  | 354352   | 19.428 | ng/ul  | 97       |
| 42) 2-Nitroaniline             | 13.35 | 65   | 105600   | 20.852 | ng/ul  | 96       |
| 44) Dimethylphthalate          | 13.72 | 163  | 452848   | 21.002 | ng/ul  | 100      |
| 45) 2,6-Dinitrotoluene         | 13.85 | 165  | 97921    | 22.541 | ng/ul  | 99       |
| 47) Acenaphthylene             | 13.98 | 152  | 553234   | 20.413 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.19 | 138  | 100077   | 23.627 | ng/ul  | 97       |
| 49) Acenaphthene               | 14.33 | 153  | 386898   | 20.153 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.42 | 184  | 40704    | 17.723 | ng/ul  | 89       |
| 52) 4-Nitrophenol              | 14.53 | 109  | 42983    | 16.910 | ng/ul  | 93       |
| 53) Dibenzofuran               | 14.66 | 168  | 543249   | 20.580 | ng/ul  | 97       |
| 54) 2,4-Dinitrotoluene         | 14.66 | 165  | 144234   | 23.470 | ng/ul  | 94       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.90 | 232  | 109315   | 22.044 | ng/ul  | 94       |
| 56) Diethylphthalate           | 15.10 | 149  | 456856   | 21.626 | ng/ul  | 99       |
| 58) Fluorene                   | 15.32 | 166  | 447249   | 21.152 | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.31 | 204  | 227067   | 21.476 | ng/ul  | 98       |
| 60) 4-Nitroaniline             | 15.36 | 138  | 104403   | 23.248 | ng/ul  | 94       |
| 63) 4,6-Dinitro-2-methylphenol | 15.43 | 198  | 83680    | 19.942 | ng/ul# | 93       |
| 64) N-Nitrosodiphenylamine     | 15.53 | 169  | 397669   | 19.291 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.21 | 248  | 141623   | 19.445 | ng/ul  | 97       |
| 66) Hexachlorobenzene          | 16.33 | 284  | 161131   | 20.252 | ng/ul  | 97       |
| 67) Atrazine                   | 16.49 | 200  | 148536   | 21.067 | ng/ul  | 99       |
| 68) Pentachlorophenol          | 16.69 | 266  | 61710    | 16.653 | ng/ul  | 95       |
| 69) Phenanthrene               | 17.06 | 178  | 740470   | 20.230 | ng/ul  | 99       |
| 71) Anthracene                 | 17.15 | 178  | 759685   | 20.470 | ng/ul  | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.05 | 216  | 194106   | 17.103 | ng/uL  | 99       |
| 73) Pentachlorobenzene         | 14.59 | 250  | 187855   | 18.538 | ng/uL  | 99       |
| 74) Carbazole                  | 17.43 | 167  | 698098   | 21.920 | ng/ul  | 99       |
| 75) Di-n-butylphthalate        | 17.99 | 149  | 838603   | 21.946 | ng/ul  | 100      |
| 76) Fluoranthene               | 19.09 | 202  | 898297   | 23.007 | ng/ul  | 100      |
| 79) Pyrene                     | 19.45 | 202  | 909439   | 17.838 | ng/ul  | 98       |
| 80) Butylbenzylphthalate       | 20.36 | 149  | 411001   | 19.373 | ng/ul  | 97       |
| 81) 3,3'-Dichlorobenzidine     | 21.15 | 252  | 355051   | 22.800 | ng/ul  | 99       |
| 82) Benzo(a)anthracene         | 21.21 | 228  | 956951   | 19.950 | ng/ul  | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.14 | 149  | 598618   | 19.436 | ng/ul  | 99       |
| 84) Chrysene                   | 21.26 | 228  | 892302   | 19.846 | ng/ul  | 99       |
| 86) Di-n-octyl phthalate       | 22.02 | 149  | 1082700  | 20.808 | ng/ul  | 98       |
| 87) Benzo(b)fluoranthene       | 22.78 | 252  | 987046   | 20.531 | ng/ul  | 99       |
| 88) Benzo(k)fluoranthene       | 22.82 | 252  | 909568   | 20.279 | ng/ul  | 99       |
| 90) Benzo(a)pyrene             | 23.34 | 252  | 900962   | 19.823 | ng/ul  | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.65 | 276  | 884826   | 16.444 | ng/ul  | 97       |
| 92) Dibenzo(a,h)anthracene     | 25.65 | 278  | 755991   | 16.674 | ng/ul  | 99       |
| 93) Benzo(g,h,i)perylene       | 26.32 | 276  | 700862   | 15.581 | ng/ul  | 100      |

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

