

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121218\  
 Data File : BN003885.D  
 Acq On : 13 Dec 2018 11:09  
 Operator : JU/SJ  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02010

Quant Time: Dec 13 12:20:28 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN121218MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 13 06:00:44 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.83  | 152  | 19207    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.63 | 136  | 98755    | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.46 | 164  | 65373    | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.21 | 188  | 161954   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.40 | 240  | 224803   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.71 | 264  | 286345   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.29  | 96  | 2370   | 8.08  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.99  | 99  | 35825  | 18.97 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.16  | 67  | 19890  | 19.35 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.36  | 132 | 29059  | 19.64 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.53  | 113 | 30267  | 19.13 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.00  | 128 | 15394  | 19.67 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.71  | 143 | 17121  | 19.32 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.24 | 165 | 31964  | 19.66 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.77 | 131 | 31891  | 20.97 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.87 | 166 | 108396 | 18.58 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.16 | 160 | 134215 | 19.38 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.66 | 143 | 23074  | 19.12 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.46 | 176 | 96083  | 19.04 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.58 | 200 | 20018  | 17.16 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.31 | 188 | 158083 | 19.32 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.60 | 212 | 190197 | 18.91 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.56 | 264 | 303101 | 19.51 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.32  | 88  | 2423   | 7.504  | ng/uL 96  |
| 4) Benzaldehyde                | 6.98  | 77  | 6509   | 20.167 | ng/ul 97  |
| 6) Phenol                      | 7.01  | 94  | 36683  | 19.246 | ng/ul 99  |
| 8) Bis(2-Chloroethyl)ether     | 7.26  | 93  | 26730  | 19.526 | ng/ul 98  |
| 10) 2-Chlorophenol             | 7.39  | 128 | 28900  | 19.567 | ng/ul 97  |
| 11) 2-Methylphenol             | 8.26  | 108 | 27992  | 18.988 | ng/ul 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.36  | 45  | 37200  | 19.764 | ng/ul 100 |
| 14) Acetophenone               | 8.65  | 105 | 46754  | 19.757 | ng/ul 98  |
| 15) N-Nitroso-di-n-propylamine | 8.63  | 70  | 22399  | 19.168 | ng/ul 99  |
| 16) 4-Methylphenol             | 8.59  | 108 | 31688  | 19.558 | ng/ul 93  |
| 17) Hexachloroethane           | 8.90  | 117 | 10354  | 19.279 | ng/ul 97  |
| 20) Nitrobenzene               | 9.04  | 77  | 33088  | 19.525 | ng/ul 100 |
| 21) Isophorone                 | 9.55  | 82  | 66444  | 18.878 | ng/ul 100 |
| 23) 2-Nitrophenol              | 9.75  | 139 | 18404  | 19.750 | ng/ul 98  |
| 24) 2,4-Dimethylphenol         | 9.79  | 107 | 35179  | 19.494 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 10.03 | 93  | 39631  | 18.816 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.27 | 162 | 31174  | 19.783 | ng/ul 99  |
| 28) Naphthalene                | 10.68 | 128 | 102603 | 19.365 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.79 | 127 | 32357  | 20.952 | ng/ul 97  |
| 31) Hexachlorobutadiene        | 10.94 | 225 | 17744  | 19.356 | ng/ul 98  |
| 32) Caprolactam                | 11.55 | 113 | 11576  | 18.304 | ng/ul 98  |
| 33) 4-Chloro-3-methylphenol    | 11.90 | 107 | 35911  | 19.734 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.29 | 142 | 77507  | 19.423 | ng/ul 99  |

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 Quant Title : SVOA CALIBRATION  
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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.65 | 216  | 39160    | 19.507 | ng/ul | 98       |
| 37) Hexachlorocyclopentadiene  | 12.62 | 237  | 19109    | 15.500 | ng/ul | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.89 | 196  | 26315    | 19.470 | ng/ul | 99       |
| 39) 2,4,5-Trichlorophenol      | 12.96 | 196  | 29201    | 19.538 | ng/ul | 98       |
| 40) 1,1'-Biphenyl              | 13.30 | 154  | 100911   | 18.988 | ng/ul | 100      |
| 41) 2-Chloronaphthalene        | 13.35 | 162  | 80431    | 19.436 | ng/ul | 99       |
| 42) 2-Nitroaniline             | 13.56 | 65   | 22839    | 19.655 | ng/ul | 98       |
| 44) Dimethylphthalate          | 13.92 | 163  | 105406   | 18.503 | ng/ul | 99       |
| 45) 2,6-Dinitrotoluene         | 14.05 | 165  | 22129    | 19.138 | ng/ul | 99       |
| 47) Acenaphthylene             | 14.19 | 152  | 126507   | 19.180 | ng/ul | 99       |
| 48) 3-Nitroaniline             | 14.38 | 138  | 22590    | 19.213 | ng/ul | 99       |
| 49) Acenaphthene               | 14.53 | 153  | 89871    | 19.135 | ng/ul | 99       |
| 50) 2,4-Dinitrophenol          | 14.59 | 184  | 11430    | 15.251 | ng/ul | 95       |
| 52) 4-Nitrophenol              | 14.67 | 109  | 14784    | 19.406 | ng/ul | 96       |
| 53) Dibenzofuran               | 14.86 | 168  | 128192   | 19.228 | ng/ul | 100      |
| 54) 2,4-Dinitrotoluene         | 14.83 | 165  | 34910    | 19.404 | ng/ul | 99       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.09 | 232  | 27199    | 19.445 | ng/ul | 100      |
| 56) Diethylphthalate           | 15.28 | 149  | 106466   | 18.279 | ng/ul | 99       |
| 58) Fluorene                   | 15.52 | 166  | 105820   | 19.063 | ng/ul | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.50 | 204  | 52449    | 19.069 | ng/ul | 99       |
| 60) 4-Nitroaniline             | 15.55 | 138  | 28024    | 19.175 | ng/ul | 100      |
| 63) 4,6-Dinitro-2-methylphenol | 15.59 | 198  | 20592    | 17.182 | ng/ul | 98       |
| 64) N-Nitrosodiphenylamine     | 15.72 | 169  | 94913    | 19.364 | ng/ul | 98       |
| 65) 4-Bromophenyl-phenylether  | 16.40 | 248  | 34984    | 19.214 | ng/ul | 98       |
| 66) Hexachlorobenzene          | 16.51 | 284  | 43599    | 19.141 | ng/ul | 98       |
| 67) Atrazine                   | 16.66 | 200  | 33094    | 18.523 | ng/ul | 98       |
| 68) Pentachlorophenol          | 16.85 | 266  | 24319    | 18.700 | ng/ul | 99       |
| 69) Phenanthrene               | 17.25 | 178  | 180735   | 19.314 | ng/ul | 99       |
| 71) Anthracene                 | 17.35 | 178  | 185056   | 19.293 | ng/ul | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.26 | 216  | 39521    | 19.486 | ng/uL | 99       |
| 73) Pentachlorobenzene         | 14.78 | 250  | 44623    | 19.255 | ng/uL | 98       |
| 74) Carbazole                  | 17.62 | 167  | 174476   | 19.796 | ng/ul | 100      |
| 75) Di-n-butylphthalate        | 18.16 | 149  | 194392   | 18.713 | ng/ul | 99       |
| 76) Fluoranthene               | 19.27 | 202  | 229482   | 20.007 | ng/ul | 98       |
| 79) Pvrene                     | 19.63 | 202  | 240265   | 19.131 | ng/ul | 98       |
| 80) Butylbenzylphthalate       | 20.52 | 149  | 104700   | 18.657 | ng/ul | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.32 | 252  | 96495    | 18.659 | ng/ul | 99       |
| 82) Benzo(a)anthracene         | 21.38 | 228  | 271203   | 19.346 | ng/ul | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 154964   | 18.077 | ng/ul | 99       |
| 84) Chrysene                   | 21.43 | 228  | 255349   | 19.447 | ng/ul | 100      |
| 86) Di-n-octyl phthalate       | 22.19 | 149  | 282912   | 17.580 | ng/ul | 98       |
| 87) Benzo(b)fluoranthene       | 23.01 | 252  | 331514   | 19.327 | ng/ul | 99       |
| 88) Benzo(k)fluoranthene       | 23.06 | 252  | 301630   | 18.780 | ng/ul | 99       |
| 90) Benzo(a)pyrene             | 23.61 | 252  | 322981   | 19.552 | ng/ul | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 26.06 | 276  | 429112   | 19.928 | ng/ul | 100      |
| 92) Dibenzo(a,h)anthracene     | 26.07 | 278  | 360066   | 20.116 | ng/ul | 100      |
| 93) Benzo(g,h,i)perylene       | 26.79 | 276  | 355138   | 19.705 | ng/ul | 98       |

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

