

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN071318\  
 Data File : BN002032.D  
 Acq On : 13 Jul 2018 13:53  
 Operator : JU/SJ  
 Sample : SSTD08005  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD08005

Quant Time: Jul 13 14:52:38 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 13 13:14:07 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.70  | 152  | 461239   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.49 | 136  | 2137356  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.35 | 164  | 1262791  | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.09 | 188  | 2819447  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.30 | 240  | 2506123  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.53 | 264  | 2336279  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |          |        |       |      |
|--------------------------------|-------|-----|----------|--------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.26  | 96  | 303982   | 31.71  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.90  | 99  | 3446367  | 93.70  | ng/ul | 0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.05  | 67  | 2065070  | 89.25  | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.25  | 132 | 2712004  | 89.36  | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.43  | 113 | 2751521  | 91.56  | ng/ul | 0.01 |
| 19) Nitrobenzene-d5            | 8.86  | 128 | 1386813  | 100.90 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.58  | 143 | 1598121  | 129.37 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.12 | 165 | 2807890  | 88.95  | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.63 | 131 | 3206646  | 89.86  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.76 | 166 | 7838566  | 78.56  | ng/ul | 0.01 |
| 46) Acenaphthylene-d8          | 14.04 | 160 | 9686080  | 76.43  | ng/ul | 0.01 |
| 51) 4-Nitrophenol-d4           | 14.58 | 143 | 1608622  | 99.34  | ng/ul | 0.02 |
| 57) Fluorene-d10               | 15.35 | 176 | 6594804  | 76.85  | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.48 | 200 | 1520929  | 126.37 | ng/ul | 0.01 |
| 70) Anthracene-d10             | 17.20 | 188 | 9739548  | 73.33  | ng/ul | 0.01 |
| 78) Pyrene-d10                 | 19.49 | 212 | 10206765 | 80.25  | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.40 | 264 | 9482926  | 82.66  | ng/ul | 0.01 |

## Target Compounds

|                                |       |     |         |         | Qvalue |     |
|--------------------------------|-------|-----|---------|---------|--------|-----|
| 2) 1,4-Dioxane                 | 3.29  | 88  | 310119  | 30.042  | ng/uL# | 91  |
| 4) Benzaldehyde                | 6.86  | 77  | 1644431 | 78.194  | ng/ul  | 96  |
| 6) Phenol                      | 6.93  | 94  | 3439546 | 95.753  | ng/ul  | 97  |
| 8) Bis(2-Chloroethyl)ether     | 7.15  | 93  | 2587613 | 91.143  | ng/ul# | 87  |
| 10) 2-Chlorophenol             | 7.28  | 128 | 2679416 | 89.405  | ng/ul# | 89  |
| 11) 2-Methylphenol             | 8.16  | 108 | 2651263 | 96.928  | ng/ul  | 98  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.24  | 45  | 4233880 | 80.452  | ng/ul# | 85  |
| 14) Acetophenone               | 8.53  | 105 | 4068802 | 91.540  | ng/ul# | 91  |
| 15) N-Nitroso-di-n-propylamine | 8.53  | 70  | 2166698 | 91.107  | ng/ul# | 86  |
| 16) 4-Methylphenol             | 8.50  | 108 | 2833811 | 96.396  | ng/ul  | 97  |
| 17) Hexachloroethane           | 8.78  | 117 | 1047250 | 86.228  | ng/ul  | 99  |
| 20) Nitrobenzene               | 8.90  | 77  | 3138583 | 89.539  | ng/ul  | 96  |
| 21) Isophorone                 | 9.44  | 82  | 6156557 | 89.949  | ng/ul  | 98  |
| 23) 2-Nitrophenol              | 9.61  | 139 | 1616667 | 112.339 | ng/ul  | 90  |
| 24) 2,4-Dimethylphenol         | 9.68  | 107 | 3151498 | 86.679  | ng/ul  | 100 |
| 25) Bis(2-Chloroethoxy)methane | 9.91  | 93  | 3712031 | 88.144  | ng/ul  | 99  |
| 27) 2,4-Dichlorophenol         | 10.15 | 162 | 2665954 | 90.037  | ng/ul  | 99  |
| 28) Naphthalene                | 10.54 | 128 | 8302763 | 79.681  | ng/ul  | 99  |
| 30) 4-Chloroaniline            | 10.65 | 127 | 3163720 | 92.770  | ng/ul  | 99  |
| 31) Hexachlorobutadiene        | 10.82 | 225 | 1575430 | 79.720  | ng/ul  | 99  |
| 32) Caprolactam                | 11.45 | 113 | 556316  | 62.755  | ng/ul# | 56  |
| 33) 4-Chloro-3-methylphenol    | 11.79 | 107 | 2978241 | 94.551  | ng/ul  | 99  |
| 34) 2-Methylnaphthalene        | 12.15 | 142 | 6038387 | 81.235  | ng/ul  | 99  |

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 BNA\_N  
 ClientSampleId :  
 SSTD08005

Quant Time: Jul 13 14:52:38 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri Jul 13 13:14:07 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.53 | 216  | 3074082  | 76.689  | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 12.50 | 237  | 2160920  | 80.895  | ng/ul  | 100      |
| 38) 2,4,6-Trichlorophenol      | 12.77 | 196  | 2203466  | 92.549  | ng/ul  | 99       |
| 39) 2,4,5-Trichlorophenol      | 12.85 | 196  | 2318491  | 92.961  | ng/ul  | 100      |
| 40) 1,1'-Biphenyl              | 13.17 | 154  | 7633048  | 75.479  | ng/ul  | 97       |
| 41) 2-Chloronaphthalene        | 13.22 | 162  | 6037028  | 77.033  | ng/ul  | 97       |
| 42) 2-Nitroaniline             | 13.43 | 65   | 2091289  | 114.521 | ng/ul  | 86       |
| 44) Dimethylphthalate          | 13.81 | 163  | 7596140  | 79.013  | ng/ul  | 98       |
| 45) 2,6-Dinitrotoluene         | 13.93 | 165  | 1769350  | 113.951 | ng/ul  | 99       |
| 47) Acenaphthylene             | 14.07 | 152  | 9152374  | 76.143  | ng/ul  | 97       |
| 48) 3-Nitroaniline             | 14.26 | 138  | 1637464  | 104.399 | ng/ul  | 96       |
| 49) Acenaphthene               | 14.41 | 153  | 6419175  | 76.489  | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.47 | 184  | 1143092  | 170.104 | ng/ul# | 1        |
| 52) 4-Nitrophenol              | 14.60 | 109  | 1115834  | 90.653  | ng/ul# | 78       |
| 53) Dibenzofuran               | 14.75 | 168  | 8769305  | 76.147  | ng/ul  | 99       |
| 54) 2,4-Dinitrotoluene         | 14.73 | 165  | 2450588  | 109.329 | ng/ul# | 87       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.98 | 232  | 2027001  | 95.534  | ng/ul  | 95       |
| 56) Diethylphthalate           | 15.18 | 149  | 7667111  | 79.714  | ng/ul  | 97       |
| 58) Fluorene                   | 15.40 | 166  | 6823183  | 72.735  | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.39 | 204  | 3432081  | 71.431  | ng/ul  | 93       |
| 60) 4-Nitroaniline             | 15.44 | 138  | 1840429  | 103.879 | ng/ul  | 93       |
| 63) 4,6-Dinitro-2-methylphenol | 15.50 | 198  | 1555018  | 119.694 | ng/ul# | 96       |
| 64) N-Nitrosodiphenylamine     | 15.61 | 169  | 6311141  | 74.924  | ng/ul  | 100      |
| 65) 4-Bromophenyl-phenylether  | 16.29 | 248  | 2371206  | 75.017  | ng/ul  | 92       |
| 66) Hexachlorobenzene          | 16.40 | 284  | 2551142  | 72.182  | ng/ul  | 93       |
| 67) Atrazine                   | 16.57 | 200  | 2422172  | 82.558  | ng/ul  | 98       |
| 68) Pentachlorophenol          | 16.75 | 266  | 1613529  | 86.870  | ng/ul  | 100      |
| 69) Phenanthrene               | 17.14 | 178  | 10981379 | 72.697  | ng/ul  | 97       |
| 71) Anthracene                 | 17.23 | 178  | 10958034 | 71.249  | ng/ul  | 95       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.14 | 216  | 3295438  | 76.237  | ng/uL  | 99       |
| 73) Pentachlorobenzene         | 14.67 | 250  | 2974755  | 71.437  | ng/uL  | 100      |
| 74) Carbazole                  | 17.50 | 167  | 10158510 | 79.783  | ng/ul  | 98       |
| 75) Di-n-butylphthalate        | 18.07 | 149  | 12204138 | 77.209  | ng/ul# | 94       |
| 76) Fluoranthene               | 19.16 | 202  | 12310225 | 78.795  | ng/ul# | 92       |
| 79) Pyrene                     | 19.53 | 202  | 11924903 | 76.161  | ng/ul# | 93       |
| 80) Butylbenzylphthalate       | 20.43 | 149  | 6079924  | 110.944 | ng/ul  | 93       |
| 81) 3,3'-Dichlorobenzidine     | 21.22 | 252  | 3793963  | 83.643  | ng/ul  | 99       |
| 82) Benzo(a)anthracene         | 21.28 | 228  | 11458196 | 77.973  | ng/ul  | 94       |
| 83) Bis(2-ethylhexyl)phthalate | 21.22 | 149  | 7906764  | 96.749  | ng/ul# | 94       |
| 84) Chrysene                   | 21.33 | 228  | 10476500 | 76.337  | ng/ul  | 94       |
| 86) Di-n-octyl phthalate       | 22.10 | 149  | 12547441 | 91.573  | ng/ul# | 87       |
| 87) Benzo(b)fluoranthene       | 22.87 | 252  | 11073063 | 79.004  | ng/ul  | 98       |
| 88) Benzo(k)fluoranthene       | 22.92 | 252  | 10020023 | 74.287  | ng/ul  | 96       |
| 90) Benzo(a)pyrene             | 23.45 | 252  | 10007625 | 76.288  | ng/ul  | 97       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.79 | 276  | 10392249 | 70.637  | ng/ul  | 100      |
| 92) Dibenzo(a,h)anthracene     | 25.80 | 278  | 8613410  | 69.818  | ng/ul  | 99       |
| 93) Benzo(g,h,i)perylene       | 26.48 | 276  | 8705872  | 72.786  | ng/ul  | 99       |

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

