

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN061918\  
 Data File : BN001871.D  
 Acq On : 19 Jun 2018 11:50  
 Operator : JU/SJ  
 Sample : SSTD01082  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD01082

Quant Time: Jun 19 13:05:28 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN061918.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jun 19 13:01:30 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.72  | 152  | 329692   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.49 | 136  | 1565327  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.35 | 164  | 997359   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.09 | 188  | 2418530  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.29 | 240  | 2869886  | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 23.53 | 264  | 2918108  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.27  | 96  | 30748   | 3.33  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.89  | 99  | 303312  | 9.86  | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.06  | 67  | 196937  | 11.10 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.25  | 132 | 236848  | 10.18 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.42  | 113 | 249675  | 10.42 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.86  | 128 | 111673  | 8.78  | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.58  | 143 | 110601  | 8.40  | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.11 | 165 | 259019  | 10.97 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.62 | 131 | 235352  | 9.71  | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.76 | 166 | 867183  | 11.01 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.03 | 160 | 1068325 | 10.28 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.54 | 143 | 145807  | 9.97  | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.34 | 176 | 770299  | 11.47 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.46 | 200 | 99454   | 7.18  | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.19 | 188 | 1222088 | 10.51 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 19.49 | 212 | 1400984 | 8.84  | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 23.39 | 264 | 1588186 | 11.53 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Qvalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.30  | 88  | 32022  | 3.222  | ng/uL# 77 |
| 4) Benzaldehyde                | 6.86  | 77  | 200201 | 15.965 | ng/ul 97  |
| 6) Phenol                      | 6.92  | 94  | 309260 | 9.855  | ng/ul 99  |
| 8) Bis(2-Chloroethyl)ether     | 7.15  | 93  | 247313 | 9.932  | ng/ul 95  |
| 10) 2-Chlorophenol             | 7.28  | 128 | 244849 | 10.311 | ng/ul 98  |
| 11) 2-Methylphenol             | 8.15  | 108 | 236599 | 10.280 | ng/ul 95  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.24  | 45  | 394618 | 14.704 | ng/ul# 94 |
| 14) Acetophenone               | 8.53  | 105 | 403001 | 11.316 | ng/ul 97  |
| 15) N-Nitroso-di-n-propylamine | 8.52  | 70  | 200607 | 10.769 | ng/ul 91  |
| 16) 4-Methylphenol             | 8.48  | 108 | 262831 | 10.667 | ng/ul 97  |
| 17) Hexachloroethane           | 8.79  | 117 | 96306  | 9.721  | ng/ul 83  |
| 20) Nitrobenzene               | 8.90  | 77  | 283665 | 9.039  | ng/ul 93  |
| 21) Isophorone                 | 9.42  | 82  | 564399 | 9.434  | ng/ul 97  |
| 23) 2-Nitrophenol              | 9.61  | 139 | 123621 | 8.727  | ng/ul 93  |
| 24) 2,4-Dimethylphenol         | 9.68  | 107 | 298365 | 9.779  | ng/ul 94  |
| 25) Bis(2-Chloroethoxy)methane | 9.91  | 93  | 360719 | 9.547  | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 10.14 | 162 | 249887 | 10.906 | ng/ul 95  |
| 28) Naphthalene                | 10.54 | 128 | 856538 | 10.420 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.65 | 127 | 238889 | 9.712  | ng/ul 98  |
| 31) Hexachlorobutadiene        | 10.83 | 225 | 151879 | 11.962 | ng/ul 98  |
| 32) Caprolactam                | 11.39 | 113 | 82325  | 9.829  | ng/ul 91  |
| 33) 4-Chloro-3-methylphenol    | 11.77 | 107 | 284378 | 10.557 | ng/ul 96  |
| 34) 2-Methylnaphthalene        | 12.16 | 142 | 630178 | 11.483 | ng/ul 98  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.53 | 216  | 325828   | 10.874 | ng/ul# | 95       |
| 37) Hexachlorocyclopentadiene  | 12.51 | 237  | 169529   | 10.850 | ng/ul# | 96       |
| 38) 2,4,6-Trichlorophenol      | 12.77 | 196  | 208356   | 10.251 | ng/ul  | 99       |
| 39) 2,4,5-Trichlorophenol      | 12.84 | 196  | 219935   | 10.378 | ng/ul  | 96       |
| 40) 1,1'-Biphenyl              | 13.17 | 154  | 847429   | 9.981  | ng/ul# | 95       |
| 41) 2-Chloronaphthalene        | 13.22 | 162  | 658471   | 10.061 | ng/ul  | 97       |
| 42) 2-Nitroaniline             | 13.42 | 65   | 170206   | 8.583  | ng/ul  | 90       |
| 44) Dimethylphthalate          | 13.80 | 163  | 860740   | 11.044 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.92 | 165  | 148344   | 9.445  | ng/ul  | 96       |
| 47) Acenaphthylene             | 14.06 | 152  | 1047046  | 10.282 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.25 | 138  | 141124   | 9.307  | ng/ul# | 96       |
| 49) Acenaphthene               | 14.41 | 153  | 721902   | 10.397 | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 14.45 | 184  | 50916    | 6.872  | ng/ul# | 85       |
| 52) 4-Nitrophenol              | 14.56 | 109  | 111853   | 9.893  | ng/ul# | 72       |
| 53) Dibenzofuran               | 14.75 | 168  | 1048273  | 11.116 | ng/ul  | 97       |
| 54) 2,4-Dinitrotoluene         | 14.71 | 165  | 228366   | 10.256 | ng/ul  | 96       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.97 | 232  | 195975   | 12.110 | ng/ul# | 84       |
| 56) Diethylphthalate           | 15.18 | 149  | 866384   | 10.891 | ng/ul  | 96       |
| 58) Fluorene                   | 15.40 | 166  | 857099   | 11.437 | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 15.40 | 204  | 425719   | 12.294 | ng/ul  | 93       |
| 60) 4-Nitroaniline             | 15.41 | 138  | 189947   | 11.150 | ng/ul  | 88       |
| 63) 4,6-Dinitro-2-methylphenol | 15.47 | 198  | 110623   | 7.565  | ng/ul  | 94       |
| 64) N-Nitrosodiphenylamine     | 15.61 | 169  | 751794   | 9.436  | ng/ul  | 97       |
| 65) 4-Bromophenyl-phenylether  | 16.29 | 248  | 263467   | 10.688 | ng/ul  | 96       |
| 66) Hexachlorobenzene          | 16.40 | 284  | 301508   | 11.583 | ng/ul# | 92       |
| 67) Atrazine                   | 16.56 | 200  | 264553   | 11.009 | ng/ul  | 98       |
| 68) Pentachlorophenol          | 16.74 | 266  | 140633   | 10.234 | ng/ul  | 96       |
| 69) Phenanthrene               | 17.13 | 178  | 1431497  | 10.274 | ng/ul  | 99       |
| 71) Anthracene                 | 17.22 | 178  | 1453800  | 10.176 | ng/ul  | 98       |
| 72) Carbazole                  | 17.49 | 167  | 1316864  | 10.749 | ng/ul  | 98       |
| 73) Di-n-butylphthalate        | 18.07 | 149  | 1506631  | 9.043  | ng/ul  | 99       |
| 74) Fluoranthene               | 19.16 | 202  | 1715474  | 12.390 | ng/ul# | 90       |
| 77) Pyrene                     | 19.52 | 202  | 1805078  | 8.611  | ng/ul# | 88       |
| 78) Butylbenzylphthalate       | 20.45 | 149  | 705185   | 6.773  | ng/ul  | 98       |
| 79) 3,3'-Dichlorobenzidine     | 21.22 | 252  | 512180   | 9.135  | ng/ul# | 98       |
| 80) Benzo(a)anthracene         | 21.27 | 228  | 1893888  | 9.904  | ng/ul  | 98       |
| 81) Bis(2-ethylhexyl)phthalate | 21.23 | 149  | 1108983  | 7.336  | ng/ul  | 99       |
| 82) Chrysene                   | 21.33 | 228  | 1752831  | 9.778  | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.12 | 149  | 1907995  | 7.768  | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 22.86 | 252  | 1838569  | 9.971  | ng/ul# | 97       |
| 86) Benzo(k)fluoranthene       | 22.90 | 252  | 1840685  | 10.340 | ng/ul# | 96       |
| 88) Benzo(a)pyrene             | 23.43 | 252  | 1755673  | 10.117 | ng/ul# | 96       |
| 89) Indeno(1,2,3-cd)pyrene     | 25.77 | 276  | 1838877  | 9.827  | ng/ul# | 88       |
| 90) Dibenzo(a,h)anthracene     | 25.79 | 278  | 1540421  | 9.882  | ng/ul# | 94       |
| 91) Benzo(g,h,i)perylene       | 26.45 | 276  | 1516838  | 9.755  | ng/ul# | 92       |

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

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Sample    : SSTD01082  
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ALS Vial  : 3      Sample Multiplier: 1
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