

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA N\DATA\BN032018\  
 Data File : BN000487.D  
 Acq On : 20 Mar 2018 12:09  
 Operator : JU/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02021

Quant Time: Mar 20 23:27:58 2018  
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Mar 20 04:08:21 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.42  | 152  | 253925   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 11.25 | 136  | 1127242  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 15.04 | 164  | 596013   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.76 | 188  | 1151854  | 20.00 | ng/ul | 0.00     |
| 75) Chrysene-d12          | 21.89 | 240  | 840435   | 20.00 | ng/ul | 0.00     |
| 83) Perylene-d12          | 24.38 | 264  | 715878   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.59  | 96  | 52339   | 7.36  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 7.55  | 99  | 481243  | 20.31 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.72  | 67  | 279576  | 20.46 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.94  | 132 | 354187  | 19.77 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 9.12  | 113 | 382467  | 20.73 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 9.60  | 128 | 173248  | 18.92 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 10.32 | 143 | 181714  | 19.16 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.87 | 165 | 329053  | 19.36 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 11.38 | 131 | 430187  | 24.65 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 14.42 | 166 | 903847  | 19.19 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.74 | 160 | 1206079 | 19.42 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 15.21 | 143 | 165356  | 18.91 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 16.02 | 176 | 758979  | 18.92 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 16.13 | 200 | 116215  | 17.62 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.86 | 188 | 1063455 | 19.21 | ng/ul | 0.00 |
| 76) Pyrene-d10                 | 20.12 | 212 | 989161  | 21.32 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12         | 24.22 | 264 | 662393  | 19.60 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.63  | 88  | 56938   | 7.438  | ng/uL# 85 |
| 4) Benzaldehyde                | 7.54  | 77  | 207195  | 21.452 | ng/ul 88  |
| 6) Phenol                      | 7.58  | 94  | 496534  | 20.544 | ng/ul 92  |
| 8) Bis(2-Chloroethyl)ether     | 7.82  | 93  | 392571  | 20.469 | ng/ul 95  |
| 10) 2-Chlorophenol             | 7.97  | 128 | 362127  | 19.800 | ng/ul 96  |
| 11) 2-Methylphenol             | 8.85  | 108 | 365141  | 20.600 | ng/ul 97  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.94  | 45  | 430593  | 20.832 | ng/ul# 93 |
| 14) Acetophenone               | 9.25  | 105 | 591078  | 21.548 | ng/ul 95  |
| 15) N-Nitroso-di-n-propylamine | 9.23  | 70  | 293870  | 20.484 | ng/ul 93  |
| 16) 4-Methylphenol             | 9.18  | 108 | 395634  | 20.848 | ng/ul 96  |
| 17) Hexachloroethane           | 9.52  | 117 | 148215  | 19.424 | ng/ul# 71 |
| 20) Nitrobenzene               | 9.64  | 77  | 437677  | 19.366 | ng/ul 94  |
| 21) Isophorone                 | 10.16 | 82  | 833680  | 19.351 | ng/ul 98  |
| 23) 2-Nitrophenol              | 10.36 | 139 | 199254  | 19.534 | ng/ul 92  |
| 24) 2,4-Dimethylphenol         | 10.40 | 107 | 426896  | 19.428 | ng/ul 97  |
| 25) Bis(2-Chloroethoxy)methane | 10.64 | 93  | 528321  | 19.417 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 10.90 | 162 | 321995  | 19.514 | ng/ul 96  |
| 28) Naphthalene                | 11.31 | 128 | 1157930 | 19.561 | ng/ul 99  |
| 30) 4-Chloroaniline            | 11.41 | 127 | 433705  | 24.485 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 11.58 | 225 | 172428  | 18.858 | ng/ul 96  |
| 32) Caprolactam                | 12.15 | 113 | 116053  | 19.240 | ng/ul 87  |
| 33) 4-Chloro-3-methylphenol    | 12.50 | 107 | 383827  | 19.787 | ng/ul 98  |
| 34) 2-Methylnaphthalene        | 12.89 | 142 | 779729  | 19.729 | ng/ul 99  |

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 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02021

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 QLast Update : Tue Mar 20 04:08:21 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 36) 1,2,4,5-Tetrachlorobenzene | 13.25 | 216  | 341760   | 19.086 | ng/ul# | 94       |
| 37) Hexachlorocyclopentadiene  | 13.22 | 237  | 149343   | 15.995 | ng/ul  | 97       |
| 38) 2,4,6-Trichlorophenol      | 13.48 | 196  | 230117   | 18.946 | ng/ul  | 98       |
| 39) 2,4,5-Trichlorophenol      | 13.55 | 196  | 241539   | 19.072 | ng/ul  | 99       |
| 40) 1,1'-Biphenyl              | 13.87 | 154  | 979229   | 19.300 | ng/ul# | 94       |
| 41) 2-Chloronaphthalene        | 13.92 | 162  | 754772   | 19.298 | ng/ul  | 96       |
| 42) 2-Nitroaniline             | 14.12 | 65   | 228106   | 19.249 | ng/ul  | 97       |
| 44) Dimethylphthalate          | 14.47 | 163  | 894296   | 19.201 | ng/ul# | 98       |
| 45) 2,6-Dinitrotoluene         | 14.60 | 165  | 183234   | 19.523 | ng/ul  | 89       |
| 47) Acenaphthylene             | 14.77 | 152  | 1175285  | 19.313 | ng/ul  | 100      |
| 48) 3-Nitroaniline             | 14.93 | 138  | 189815   | 20.947 | ng/ul# | 91       |
| 49) Acenaphthene               | 15.10 | 153  | 794771   | 19.155 | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 15.14 | 184  | 69566    | 15.711 | ng/ul# | 78       |
| 52) 4-Nitrophenol              | 15.22 | 109  | 129742   | 19.202 | ng/ul# | 83       |
| 53) Dibenzofuran               | 15.43 | 168  | 1089162  | 19.327 | ng/ul  | 99       |
| 54) 2,4-Dinitrotoluene         | 15.38 | 165  | 259490   | 19.501 | ng/ul  | 90       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.65 | 232  | 182882   | 18.911 | ng/ul# | 94       |
| 56) Diethylphthalate           | 15.82 | 149  | 902114   | 18.976 | ng/ul  | 96       |
| 58) Fluorene                   | 16.07 | 166  | 865724   | 19.332 | ng/ul  | 98       |
| 59) 4-Chlorophenyl-phenylether | 16.05 | 204  | 397063   | 19.188 | ng/ul# | 87       |
| 60) 4-Nitroaniline             | 16.08 | 138  | 189352   | 18.599 | ng/ul  | 89       |
| 63) 4,6-Dinitro-2-methylphenol | 16.15 | 198  | 126081   | 18.104 | ng/ul# | 90       |
| 64) N-Nitrosodiphenylamine     | 16.27 | 169  | 733898   | 19.340 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.94 | 248  | 226538   | 19.295 | ng/ul# | 88       |
| 66) Hexachlorobenzene          | 17.07 | 284  | 236795   | 19.101 | ng/ul# | 84       |
| 67) Atrazine                   | 17.20 | 200  | 235568   | 20.583 | ng/ul  | 96       |
| 68) Pentachlorophenol          | 17.41 | 266  | 114246   | 17.456 | ng/ul  | 98       |
| 69) Phenanthrene               | 17.80 | 178  | 1279398  | 19.280 | ng/ul  | 100      |
| 71) Anthracene                 | 17.90 | 178  | 1309491  | 19.245 | ng/ul  | 98       |
| 72) Carbazole                  | 18.15 | 167  | 1156567  | 19.822 | ng/ul  | 98       |
| 73) Di-n-butylphthalate        | 18.68 | 149  | 1449921  | 18.273 | ng/ul  | 100      |
| 74) Fluoranthene               | 19.78 | 202  | 1279633  | 19.406 | ng/ul# | 79       |
| 77) Pyrene                     | 20.15 | 202  | 1273624  | 20.748 | ng/ul# | 78       |
| 78) Butylbenzylphthalate       | 21.00 | 149  | 595618   | 19.534 | ng/ul# | 85       |
| 79) 3,3'-Dichlorobenzidine     | 21.79 | 252  | 319496   | 19.459 | ng/ul# | 96       |
| 80) Benzo(a)anthracene         | 21.88 | 228  | 1043098  | 18.628 | ng/ul  | 99       |
| 81) Bis(2-ethylhexyl)phthalate | 21.76 | 149  | 815823   | 18.430 | ng/ul# | 97       |
| 82) Chrysene                   | 21.93 | 228  | 968380   | 18.447 | ng/ul  | 99       |
| 84) Di-n-octyl phthalate       | 22.71 | 149  | 1275709  | 21.172 | ng/ul  | 100      |
| 85) Benzo(b)fluoranthene       | 23.62 | 252  | 900366   | 19.905 | ng/ul# | 94       |
| 86) Benzo(k)fluoranthene       | 23.67 | 252  | 823193   | 18.851 | ng/ul# | 95       |
| 88) Benzo(a)pyrene             | 24.27 | 252  | 822138   | 19.312 | ng/ul# | 94       |
| 89) Indeno(1,2,3-cd)pyrene     | 26.94 | 276  | 896454   | 19.529 | ng/ul# | 81       |
| 90) Dibenzo(a,h)anthracene     | 26.95 | 278  | 748634   | 19.576 | ng/ul# | 91       |
| 91) Benzo(g,h,i)perylene       | 27.73 | 276  | 743656   | 19.494 | ng/ul# | 86       |
| -----                          |       |      |          |        |        |          |

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

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Sample : SSTDCCC020  
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ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_N  
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SSTD02021

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