

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122618\  
 Data File : BN004205.D  
 Acq On : 26 Dec 2018 16:36  
 Operator : JU/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02039

Quant Time: Dec 27 04:15:20 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN121218MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 27 04:11:48 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.82  | 152  | 24135    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.62 | 136  | 116997   | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.46 | 164  | 74365    | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 17.21 | 188  | 174801   | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.40 | 240  | 211006   | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.72 | 264  | 237599   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.28  | 96  | 3517   | 9.54  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.99  | 99  | 44105  | 18.59 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.16  | 67  | 24980  | 19.34 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.35  | 132 | 37107  | 19.96 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.53  | 113 | 37568  | 18.89 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.99  | 128 | 18868  | 20.35 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.71  | 143 | 22477  | 21.41 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.25 | 165 | 39847  | 20.69 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.76 | 131 | 38133  | 21.16 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.87 | 166 | 132074 | 19.90 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 14.16 | 160 | 160785 | 20.41 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.68 | 143 | 21713  | 15.82 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.46 | 176 | 113448 | 19.77 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.59 | 200 | 24273  | 19.28 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.31 | 188 | 179109 | 20.28 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.60 | 212 | 200814 | 21.27 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.57 | 264 | 265135 | 20.57 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.32  | 88  | 3755   | 9.255  | ng/uL# 86 |
| 4) Benzaldehyde                | 6.98  | 77  | 7759   | 19.132 | ng/ul 95  |
| 6) Phenol                      | 7.02  | 94  | 44106  | 18.416 | ng/ul 99  |
| 8) Bis(2-Chloroethyl)ether     | 7.25  | 93  | 33087  | 19.234 | ng/ul 99  |
| 10) 2-Chlorophenol             | 7.39  | 128 | 36567  | 19.703 | ng/ul 99  |
| 11) 2-Methylphenol             | 8.26  | 108 | 35209  | 19.007 | ng/ul 97  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.35  | 45  | 47017  | 19.880 | ng/ul 98  |
| 14) Acetophenone               | 8.65  | 105 | 57188  | 19.232 | ng/ul 98  |
| 15) N-Nitroso-di-n-propylamine | 8.62  | 70  | 28277  | 19.257 | ng/ul 98  |
| 16) 4-Methylphenol             | 8.59  | 108 | 38485  | 18.903 | ng/ul 96  |
| 17) Hexachloroethane           | 8.89  | 117 | 13749  | 20.373 | ng/ul 99  |
| 20) Nitrobenzene               | 9.03  | 77  | 40162  | 20.005 | ng/ul 99  |
| 21) Isophorone                 | 9.55  | 82  | 84120  | 20.174 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.74  | 139 | 23238  | 21.050 | ng/ul 98  |
| 24) 2,4-Dimethylphenol         | 9.79  | 107 | 43741  | 20.459 | ng/ul 97  |
| 25) Bis(2-Chloroethoxy)methane | 10.03 | 93  | 51038  | 20.453 | ng/ul 100 |
| 27) 2,4-Dichlorophenol         | 10.27 | 162 | 38486  | 20.615 | ng/ul 98  |
| 28) Naphthalene                | 10.67 | 128 | 126355 | 20.129 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.79 | 127 | 38693  | 21.148 | ng/ul 98  |
| 31) Hexachlorobutadiene        | 10.93 | 225 | 22890  | 21.076 | ng/ul 98  |
| 32) Caprolactam                | 11.56 | 113 | 14068  | 18.776 | ng/ul 97  |
| 33) 4-Chloro-3-methylphenol    | 11.91 | 107 | 43671  | 20.257 | ng/ul 98  |
| 34) 2-Methylnaphthalene        | 12.28 | 142 | 94386  | 19.965 | ng/ul 98  |

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 Data File : BN004205.D  
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 Operator : JU/SJ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02039

Quant Time: Dec 27 04:15:20 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN121218MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Dec 27 04:11:48 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.65 | 216  | 47073    | 20.614 | ng/ul  | 98       |
| 37) Hexachlorocyclopentadiene  | 12.61 | 237  | 25198    | 17.967 | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.89 | 196  | 31667    | 20.597 | ng/ul  | 99       |
| 39) 2,4,5-Trichlorophenol      | 12.97 | 196  | 34359    | 20.209 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.29 | 154  | 122899   | 20.329 | ng/ul  | 100      |
| 41) 2-Chloronaphthalene        | 13.34 | 162  | 96271    | 20.451 | ng/ul  | 100      |
| 42) 2-Nitroaniline             | 13.56 | 65   | 27130    | 20.525 | ng/ul  | 99       |
| 44) Dimethylphthalate          | 13.92 | 163  | 127277   | 19.641 | ng/ul  | 100      |
| 45) 2,6-Dinitrotoluene         | 14.05 | 165  | 27148    | 20.639 | ng/ul  | 100      |
| 47) Acenaphthylene             | 14.19 | 152  | 149779   | 19.963 | ng/ul  | 100      |
| 48) 3-Nitroaniline             | 14.39 | 138  | 26559    | 19.858 | ng/ul  | 95       |
| 49) Acenaphthene               | 14.53 | 153  | 107408   | 20.104 | ng/ul  | 98       |
| 50) 2,4-Dinitrophenol          | 14.60 | 184  | 21385    | 25.083 | ng/ul  | 99       |
| 52) 4-Nitrophenol              | 14.70 | 109  | 13726    | 15.839 | ng/ul  | 96       |
| 53) Dibenzofuran               | 14.86 | 168  | 149976   | 19.776 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 14.85 | 165  | 40438    | 19.759 | ng/ul  | 96       |
| 55) 2,3,4,6-Tetrachlorophenol  | 15.09 | 232  | 30302    | 19.044 | ng/ul# | 95       |
| 56) Diethylphthalate           | 15.27 | 149  | 130787   | 19.739 | ng/ul  | 99       |
| 58) Fluorene                   | 15.51 | 166  | 124718   | 19.751 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.50 | 204  | 61887    | 19.780 | ng/ul  | 99       |
| 60) 4-Nitroaniline             | 15.55 | 138  | 29666    | 17.844 | ng/ul  | 99       |
| 63) 4,6-Dinitro-2-methylphenol | 15.61 | 198  | 24419    | 18.878 | ng/ul  | 99       |
| 64) N-Nitrosodiphenylamine     | 15.72 | 169  | 110151   | 20.821 | ng/ul  | 100      |
| 65) 4-Bromophenyl-phenylether  | 16.39 | 248  | 41713    | 21.227 | ng/ul  | 97       |
| 66) Hexachlorobenzene          | 16.51 | 284  | 50227    | 20.430 | ng/ul  | 99       |
| 67) Atrazine                   | 16.66 | 200  | 40061    | 20.775 | ng/ul  | 98       |
| 68) Pentachlorophenol          | 16.86 | 266  | 21433    | 15.270 | ng/ul  | 97       |
| 69) Phenanthrene               | 17.25 | 178  | 202856   | 20.085 | ng/ul  | 99       |
| 71) Anthracene                 | 17.35 | 178  | 207804   | 20.072 | ng/ul  | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.26 | 216  | 47564    | 21.728 | ng/uL  | 97       |
| 73) Pentachlorobenzene         | 14.78 | 250  | 52985    | 21.183 | ng/uL  | 99       |
| 74) Carbazole                  | 17.62 | 167  | 191274   | 20.107 | ng/ul  | 99       |
| 75) Di-n-butylphthalate        | 18.16 | 149  | 232655   | 20.750 | ng/ul  | 100      |
| 76) Fluoranthene               | 19.27 | 202  | 244459   | 19.747 | ng/ul  | 99       |
| 79) Pvrene                     | 19.63 | 202  | 249074   | 21.129 | ng/ul  | 99       |
| 80) Butylbenzylphthalate       | 20.52 | 149  | 114673   | 21.771 | ng/ul  | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.32 | 252  | 101307   | 20.870 | ng/ul  | 100      |
| 82) Benzo(a)anthracene         | 21.38 | 228  | 265711   | 20.194 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.28 | 149  | 170132   | 21.144 | ng/ul  | 99       |
| 84) Chrysene                   | 21.43 | 228  | 249580   | 20.251 | ng/ul  | 99       |
| 86) Di-n-octyl phthalate       | 22.17 | 149  | 296393   | 22.197 | ng/ul  | 99       |
| 87) Benzo(b)fluoranthene       | 23.02 | 252  | 288269   | 20.254 | ng/ul  | 100      |
| 88) Benzo(k)fluoranthene       | 23.06 | 252  | 278952   | 20.931 | ng/ul  | 98       |
| 90) Benzo(a)pyrene             | 23.62 | 252  | 278050   | 20.285 | ng/ul  | 99       |
| 91) Indeno(1,2,3-cd)pyrene     | 26.09 | 276  | 347856   | 19.469 | ng/ul  | 100      |
| 92) Dibenzo(a,h)anthracene     | 26.09 | 278  | 291917   | 19.654 | ng/ul  | 99       |
| 93) Benzo(g,h,i)perylene       | 26.82 | 276  | 284409   | 19.018 | ng/ul  | 99       |

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

