

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN050919\  
 Data File : BN005567.D  
 Acq On : 09 May 2019 15:48  
 Operator : JU/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02004

Quant Time: May 09 17:20:15 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 09 13:42:50 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 351883   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.35 | 136  | 1559388  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.22 | 164  | 1032347  | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.98 | 188  | 2475631  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.21 | 240  | 1958530  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.42 | 264  | 1733148  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.20  | 96  | 42506   | 5.83  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.77  | 99  | 504390  | 18.25 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.93  | 67  | 280086  | 16.25 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.12  | 132 | 413637  | 19.56 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.29  | 113 | 414068  | 19.17 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.73  | 128 | 218313  | 22.75 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.44  | 143 | 246578  | 25.34 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.97  | 165 | 465721  | 20.88 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.49 | 131 | 584859  | 25.43 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.64 | 166 | 1425639 | 19.02 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.91 | 160 | 1779963 | 19.34 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.45 | 143 | 222438  | 18.80 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.22 | 176 | 1240930 | 19.73 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.36 | 200 | 220063  | 19.76 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.07 | 188 | 1923869 | 18.54 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.39 | 212 | 2049234 | 20.45 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.27 | 264 | 1440813 | 19.02 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Qvalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.24  | 88  | 45933   | 5.860  | ng/uL 96  |
| 4) Benzaldehyde                | 6.74  | 77  | 346758  | 17.705 | ng/ul 100 |
| 6) Phenol                      | 6.80  | 94  | 516937  | 18.185 | ng/ul 96  |
| 8) Bis(2-Chloroethyl)ether     | 7.02  | 93  | 401255  | 17.628 | ng/ul 93  |
| 10) 2-Chlorophenol             | 7.16  | 128 | 422214  | 19.309 | ng/ul 94  |
| 11) 2-Methylphenol             | 8.03  | 108 | 403857  | 18.959 | ng/ul 99  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.11  | 45  | 564841  | 14.779 | ng/ul 95  |
| 14) Acetophenone               | 8.40  | 105 | 675671  | 19.542 | ng/ul 95  |
| 15) N-Nitroso-di-n-propylamine | 8.39  | 70  | 327963  | 17.733 | ng/ul# 91 |
| 16) 4-Methylphenol             | 8.35  | 108 | 442289  | 19.226 | ng/ul 93  |
| 17) Hexachloroethane           | 8.65  | 117 | 178042  | 18.751 | ng/ul 87  |
| 20) Nitrobenzene               | 8.77  | 77  | 494679  | 18.728 | ng/ul 93  |
| 21) Isophorone                 | 9.29  | 82  | 945593  | 18.081 | ng/ul 96  |
| 23) 2-Nitrophenol              | 9.47  | 139 | 260811  | 23.655 | ng/ul 96  |
| 24) 2,4-Dimethylphenol         | 9.54  | 107 | 483325  | 17.507 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.77  | 93  | 571004  | 17.374 | ng/ul 98  |
| 27) 2,4-Dichlorophenol         | 10.00 | 162 | 457055  | 20.764 | ng/ul 98  |
| 28) Naphthalene                | 10.40 | 128 | 1432396 | 19.759 | ng/ul 100 |
| 30) 4-Chloroaniline            | 10.51 | 127 | 582785  | 24.875 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.68 | 225 | 326140  | 20.981 | ng/ul 97  |
| 32) Caprolactam                | 11.27 | 113 | 114065  | 17.127 | ng/ul 80  |
| 33) 4-Chloro-3-methylphenol    | 11.65 | 107 | 479161  | 19.332 | ng/ul 95  |
| 34) 2-Methylnaphthalene        | 12.02 | 142 | 1060356 | 19.976 | ng/ul 98  |

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 Data File : BN005567.D  
 Acq On : 09 May 2019 15:48  
 Operator : JU/SJ  
 Sample : SSTDC0020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02004

Quant Time: May 09 17:20:15 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu May 09 13:42:50 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.39 | 216  | 633507   | 19.829 | ng/ul  | 99       |
| 37) Hexachlorocyclopentadiene  | 12.37 | 237  | 282101   | 12.951 | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.64 | 196  | 388748   | 20.179 | ng/ul  | 96       |
| 39) 2,4,5-Trichlorophenol      | 12.72 | 196  | 415268   | 20.060 | ng/ul  | 98       |
| 40) 1,1'-Biphenyl              | 13.05 | 154  | 1417852  | 18.433 | ng/ul  | 99       |
| 41) 2-Chloronaphthalene        | 13.09 | 162  | 1119756  | 18.928 | ng/ul  | 95       |
| 42) 2-Nitroaniline             | 13.30 | 65   | 321707   | 20.503 | ng/ul  | 90       |
| 44) Dimethylphthalate          | 13.69 | 163  | 1390130  | 18.617 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.81 | 165  | 304225   | 23.595 | ng/ul  | 87       |
| 47) Acenaphthylene             | 13.94 | 152  | 1712685  | 18.934 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.14 | 138  | 296869   | 24.767 | ng/ul# | 84       |
| 49) Acenaphthene               | 14.29 | 153  | 1165635  | 18.876 | ng/ul  | 99       |
| 50) 2,4-Dinitrophenol          | 14.36 | 184  | 116752   | 18.589 | ng/ul  | 86       |
| 52) 4-Nitrophenol              | 14.46 | 109  | 185062   | 17.230 | ng/ul  | 97       |
| 53) Dibenzofuran               | 14.62 | 168  | 1708948  | 19.221 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 14.61 | 165  | 435620   | 23.437 | ng/ul  | 97       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.86 | 232  | 378602   | 21.984 | ng/ul  | 94       |
| 56) Diethylphthalate           | 15.06 | 149  | 1395594  | 18.639 | ng/ul  | 98       |
| 58) Fluorene                   | 15.28 | 166  | 1358237  | 19.578 | ng/ul  | 99       |
| 59) 4-Chlorophenyl-phenylether | 15.27 | 204  | 726309   | 19.735 | ng/ul  | 98       |
| 60) 4-Nitroaniline             | 15.31 | 138  | 327254   | 21.900 | ng/ul  | 93       |
| 63) 4,6-Dinitro-2-methylphenol | 15.38 | 198  | 223265   | 18.840 | ng/ul# | 90       |
| 64) N-Nitrosodiphenylamine     | 15.49 | 169  | 1190752  | 17.574 | ng/ul  | 97       |
| 65) 4-Bromophenyl-phenylether  | 16.17 | 248  | 477958   | 19.164 | ng/ul  | 95       |
| 66) Hexachlorobenzene          | 16.29 | 284  | 526719   | 19.833 | ng/ul  | 94       |
| 67) Atrazine                   | 16.46 | 200  | 473895   | 18.787 | ng/ul  | 98       |
| 68) Pentachlorophenol          | 16.63 | 266  | 277822   | 17.866 | ng/ul  | 97       |
| 69) Phenanthrene               | 17.02 | 178  | 2199194  | 18.240 | ng/ul  | 100      |
| 71) Anthracene                 | 17.11 | 178  | 2225061  | 18.116 | ng/ul  | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.01 | 216  | 649915   | 17.973 | ng/uL  | 99       |
| 73) Pentachlorobenzene         | 14.55 | 250  | 611269   | 18.782 | ng/uL  | 99       |
| 74) Carbazole                  | 17.39 | 167  | 1972535  | 18.696 | ng/ul  | 99       |
| 75) Di-n-butylphthalate        | 17.96 | 149  | 2448649  | 18.497 | ng/ul  | 100      |
| 76) Fluoranthene               | 19.05 | 202  | 2566580  | 19.192 | ng/ul  | 96       |
| 79) Pyrene                     | 19.42 | 202  | 2552557  | 20.242 | ng/ul# | 93       |
| 80) Butylbenzylphthalate       | 20.34 | 149  | 1086471  | 21.761 | ng/ul  | 93       |
| 81) 3,3'-Dichlorobenzidine     | 21.13 | 252  | 723959   | 18.501 | ng/ul# | 98       |
| 82) Benzo(a)anthracene         | 21.19 | 228  | 2195503  | 18.019 | ng/ul  | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 21.14 | 149  | 1584037  | 20.604 | ng/ul  | 97       |
| 84) Chrysene                   | 21.24 | 228  | 2054375  | 18.168 | ng/ul  | 99       |
| 86) Di-n-octyl phthalate       | 22.02 | 149  | 2570479  | 24.216 | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 22.76 | 252  | 1835840  | 18.844 | ng/ul# | 97       |
| 88) Benzo(k)fluoranthene       | 22.76 | 252  | 1835840  | 19.730 | ng/ul  | 98       |
| 90) Benzo(a)pyrene             | 23.32 | 252  | 1710576  | 18.680 | ng/ul# | 97       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.60 | 276  | 1876429  | 18.533 | ng/ul  | 96       |
| 92) Dibenzo(a,h)anthracene     | 25.62 | 278  | 1612665  | 18.769 | ng/ul# | 94       |
| 93) Benzo(g,h,i)perylene       | 26.27 | 276  | 1551526  | 18.533 | ng/ul  | 97       |

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

