

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN021319\  
 Data File : BN004413.D  
 Acq On : 14 Feb 2019 03:13  
 Operator : JU/SJ  
 Sample : SSTDCCC020EC  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02074

Quant Time: Feb 14 07:16:31 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Feb 14 07:13:45 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.75  | 152  | 23068    | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.53 | 136  | 113783   | 20.00 | ng/ul | 0.00     |
| 36) Acenaphthene-d10      | 14.39 | 164  | 76376    | 20.00 | ng/ul | 0.00     |
| 62) Phenanthrene-d10      | 17.13 | 188  | 192655   | 20.00 | ng/ul | 0.00     |
| 78) Chrysene-d12          | 21.33 | 240  | 263368   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.60 | 264  | 304674   | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |        |       |       |      |
|--------------------------------|-------|-----|--------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.25  | 96  | 3386   | 8.83  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.90  | 99  | 38802  | 18.88 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.09  | 67  | 20124  | 19.51 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.28  | 132 | 32782  | 19.66 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.44  | 113 | 33568  | 19.00 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.90  | 128 | 15163  | 20.13 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.62  | 143 | 15769  | 20.06 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 10.15 | 165 | 37544  | 21.06 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.67 | 131 | 41181  | 20.89 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6       | 13.79 | 166 | 131104 | 20.24 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8          | 14.08 | 160 | 158899 | 20.71 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4           | 14.58 | 143 | 24014  | 19.37 | ng/ul | 0.00 |
| 58) Fluorene-d10               | 15.38 | 176 | 118774 | 20.83 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.50 | 200 | 20345  | 18.11 | ng/ul | 0.00 |
| 71) Anthracene-d10             | 17.23 | 188 | 192702 | 20.87 | ng/ul | 0.00 |
| 79) Pyrene-d10                 | 19.53 | 212 | 237311 | 20.10 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12         | 23.46 | 264 | 337396 | 21.10 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.28  | 88  | 3628   | 7.684  | ng/uL 92  |
| 4) Benzaldehyde                | 6.90  | 77  | 22725  | 19.256 | ng/ul 98  |
| 6) Phenol                      | 6.93  | 94  | 39948  | 19.461 | ng/ul 98  |
| 8) Bis(2-Chloroethyl)ether     | 7.18  | 93  | 28534  | 19.433 | ng/ul 97  |
| 10) 2-Chlorophenol             | 7.30  | 128 | 33714  | 20.311 | ng/ul 99  |
| 11) 2-Methylphenol             | 8.18  | 108 | 31252  | 19.035 | ng/ul 98  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.26  | 45  | 34231  | 19.669 | ng/ul 100 |
| 14) Acetophenone               | 8.57  | 105 | 52290  | 19.856 | ng/ul 99  |
| 15) N-Nitroso-di-n-propylamine | 8.55  | 70  | 21690  | 19.200 | ng/ul 99  |
| 16) 4-Methylphenol             | 8.50  | 108 | 35031  | 19.277 | ng/ul 100 |
| 17) Hexachloroethane           | 8.82  | 117 | 11751  | 20.220 | ng/ul 94  |
| 20) Nitrobenzene               | 8.95  | 77  | 34187  | 20.744 | ng/ul 98  |
| 21) Isophorone                 | 9.46  | 82  | 65318  | 19.348 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.65  | 139 | 17994  | 20.402 | ng/ul 96  |
| 24) 2,4-Dimethylphenol         | 9.70  | 107 | 41767  | 20.994 | ng/ul 98  |
| 25) Bis(2-Chloroethoxy)methane | 9.95  | 93  | 43271  | 19.754 | ng/ul 100 |
| 27) 2,4-Dichlorophenol         | 10.17 | 162 | 36787  | 20.901 | ng/ul 99  |
| 28) Naphthalene                | 10.58 | 128 | 121272 | 20.672 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.70 | 127 | 41709  | 21.136 | ng/ul 98  |
| 31) Hexachlorobutadiene        | 10.85 | 225 | 24101  | 21.180 | ng/ul 98  |
| 32) Caprolactam                | 11.46 | 113 | 10290  | 17.314 | ng/ul 99  |
| 33) 4-Chloro-3-methylphenol    | 11.81 | 107 | 40505  | 21.338 | ng/ul 99  |
| 34) 2-Methylnaphthalene        | 12.20 | 142 | 93641  | 20.809 | ng/ul 98  |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.42 | 142  | 92810    | 20.914 | ng/ul | 98       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.56 | 216  | 52418    | 20.616 | ng/ul | 98       |
| 38) Hexachlorocyclopentadiene  | 12.53 | 237  | 29847    | 18.881 | ng/ul | 98       |
| 39) 2,4,6-Trichlorophenol      | 12.80 | 196  | 30878    | 20.554 | ng/ul | 97       |
| 40) 2,4,5-Trichlorophenol      | 12.87 | 196  | 35563    | 21.072 | ng/ul | 94       |
| 41) 1,1'-Biphenyl              | 13.22 | 154  | 125814   | 20.387 | ng/ul | 99       |
| 42) 2-Chloronaphthalene        | 13.26 | 162  | 98054    | 20.427 | ng/ul | 100      |
| 43) 2-Nitroaniline             | 13.47 | 65   | 19645    | 20.048 | ng/ul | 100      |
| 45) Dimethylphthalate          | 13.85 | 163  | 130409   | 20.366 | ng/ul | 99       |
| 46) 2,6-Dinitrotoluene         | 13.97 | 165  | 23351    | 20.684 | ng/ul | 99       |
| 48) Acenaphthylene             | 14.11 | 152  | 150221   | 20.616 | ng/ul | 100      |
| 49) 3-Nitroaniline             | 14.30 | 138  | 23147    | 20.090 | ng/ul | 96       |
| 50) Acenaphthene               | 14.45 | 153  | 109341   | 20.831 | ng/ul | 99       |
| 51) 2,4-Dinitrophenol          | 14.50 | 184  | 11724    | 16.692 | ng/ul | 97       |
| 53) 4-Nitrophenol              | 14.59 | 109  | 19192    | 20.815 | ng/ul | 95       |
| 54) Dibenzofuran               | 14.79 | 168  | 156368   | 20.595 | ng/ul | 98       |
| 55) 2,4-Dinitrotoluene         | 14.76 | 165  | 37397    | 21.116 | ng/ul | 99       |
| 56) 2,3,4,6-Tetrachlorophenol  | 15.00 | 232  | 32645    | 21.200 | ng/ul | 98       |
| 57) Diethylphthalate           | 15.21 | 149  | 129014   | 20.417 | ng/ul | 99       |
| 59) Fluorene                   | 15.43 | 166  | 127871   | 20.783 | ng/ul | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.43 | 204  | 67890    | 20.853 | ng/ul | 95       |
| 61) 4-Nitroaniline             | 15.46 | 138  | 29895    | 19.936 | ng/ul | 98       |
| 64) 4,6-Dinitro-2-methylphenol | 15.51 | 198  | 21956    | 18.589 | ng/ul | 97       |
| 65) N-Nitrosodiphenylamine     | 15.65 | 169  | 112849   | 20.454 | ng/ul | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.33 | 248  | 44354    | 20.604 | ng/ul | 98       |
| 67) Hexachlorobenzene          | 16.43 | 284  | 52473    | 20.810 | ng/ul | 99       |
| 68) Atrazine                   | 16.60 | 200  | 41605    | 19.579 | ng/ul | 98       |
| 69) Pentachlorophenol          | 16.77 | 266  | 26600    | 18.098 | ng/ul | 98       |
| 70) Phenanthrene               | 17.17 | 178  | 220655   | 20.643 | ng/ul | 99       |
| 72) Anthracene                 | 17.27 | 178  | 222206   | 20.648 | ng/ul | 100      |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.17 | 216  | 54330    | 20.560 | ng/uL | 100      |
| 74) Pentachlorobenzene         | 14.69 | 250  | 58340    | 20.655 | ng/uL | 98       |
| 75) Carbazole                  | 17.54 | 167  | 200503   | 20.853 | ng/ul | 100      |
| 76) Di-n-butylphthalate        | 18.10 | 149  | 209992   | 19.894 | ng/ul | 100      |
| 77) Fluoranthene               | 19.19 | 202  | 278416   | 21.158 | ng/ul | 99       |
| 80) Pvrene                     | 19.56 | 202  | 293856   | 20.176 | ng/ul | 98       |
| 81) Butylbenzylphthalate       | 20.46 | 149  | 94229    | 18.828 | ng/ul | 96       |
| 82) 3,3'-Dichlorobenzidine     | 21.25 | 252  | 110182   | 19.946 | ng/ul | 100      |
| 83) Benzo(a)anthracene         | 21.31 | 228  | 334311   | 20.596 | ng/ul | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.24 | 149  | 146266   | 19.498 | ng/ul | 100      |
| 85) Chrysene                   | 21.36 | 228  | 315877   | 20.499 | ng/ul | 99       |
| 87) Di-n-octyl phthalate       | 22.13 | 149  | 272577   | 18.686 | ng/ul | 100      |
| 88) Benzo(b)fluoranthene       | 22.91 | 252  | 368815   | 20.440 | ng/ul | 100      |
| 89) Benzo(k)fluoranthene       | 22.96 | 252  | 369671   | 21.075 | ng/ul | 100      |
| 91) Benzo(a)pyrene             | 23.50 | 252  | 367751   | 20.887 | ng/ul | 99       |
| 92) Indeno(1,2,3-cd)pyrene     | 25.90 | 276  | 483754   | 21.639 | ng/ul | 98       |
| 93) Dibenzo(a,h)anthracene     | 25.91 | 278  | 404954   | 21.772 | ng/ul | 99       |
| 94) Benzo(a,h,i)perylene       | 26.60 | 276  | 407603   | 21.754 | ng/ul | 99       |

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| Internal Standards                                                   | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

