

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030419\  
 Data File : BN004583.D  
 Acq On : 04 Mar 2019 09:47  
 Operator : JU/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02092

Quant Time: Mar 05 03:32:26 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN020719MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Mar 02 03:55:03 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.73  | 152  | 27187    | 20.00 | ng/ul | -0.02    |
| 18) Naphthalene-d8        | 10.52 | 136  | 132334   | 20.00 | ng/ul | -0.02    |
| 36) Acenaphthene-d10      | 14.37 | 164  | 84816    | 20.00 | ng/ul | -0.02    |
| 62) Phenanthrene-d10      | 17.12 | 188  | 201175   | 20.00 | ng/ul | -0.02    |
| 78) Chrysene-d12          | 21.32 | 240  | 249929   | 20.00 | ng/ul | 0.00     |
| 86) Perylene-d12          | 23.59 | 264  | 279779   | 20.00 | ng/ul | -0.01    |

## System Monitoring Compounds

|                                |       |     |        |       |       |       |
|--------------------------------|-------|-----|--------|-------|-------|-------|
| 3) 1,4-Dioxane-d8              | 3.23  | 96  | 3918   | 8.66  | ng/uL | -0.01 |
| 5) Phenol-d5                   | 6.89  | 99  | 46959  | 19.38 | ng/ul | -0.01 |
| 7) Bis-(2-Chloroethyl)ether-d  | 7.07  | 67  | 24514  | 20.16 | ng/ul | -0.02 |
| 9) 2-Chlorophenol-d4           | 7.26  | 132 | 40435  | 20.58 | ng/ul | -0.02 |
| 13) 4-Methylphenol-d8          | 8.43  | 113 | 40859  | 19.62 | ng/ul | -0.01 |
| 19) Nitrobenzene-d5            | 8.89  | 128 | 19748  | 22.54 | ng/ul | -0.01 |
| 22) 2-Nitrophenol-d4           | 9.60  | 143 | 21948  | 24.00 | ng/ul | -0.02 |
| 26) 2,4-Dichlorophenol-d3      | 10.13 | 165 | 44951  | 21.68 | ng/ul | -0.01 |
| 29) 4-Chloroaniline-d4         | 10.66 | 131 | 53824  | 23.47 | ng/ul | -0.02 |
| 44) Dimethylphthalate-d6       | 13.78 | 166 | 144221 | 20.05 | ng/ul | -0.02 |
| 47) Acenaphthylene-d8          | 14.06 | 160 | 179260 | 21.04 | ng/ul | -0.02 |
| 52) 4-Nitrophenol-d4           | 14.57 | 143 | 26717  | 19.40 | ng/ul | -0.01 |
| 58) Fluorene-d10               | 15.36 | 176 | 126794 | 20.02 | ng/ul | -0.02 |
| 63) 4,6-Dinitro-2-methylphenol | 15.49 | 200 | 23968  | 20.43 | ng/ul | -0.01 |
| 71) Anthracene-d10             | 17.22 | 188 | 201532 | 20.90 | ng/ul | -0.02 |
| 79) Pyrene-d10                 | 19.52 | 212 | 232415 | 20.75 | ng/ul | -0.01 |
| 90) Benzo(a)pyrene-d12         | 23.45 | 264 | 302064 | 20.57 | ng/ul | -0.01 |

## Target Compounds

|                                |       |     |        |        | Ovalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.27  | 88  | 4402   | 7.911  | ng/uL 95  |
| 4) Benzaldehyde                | 6.88  | 77  | 29179  | 20.979 | ng/ul 95  |
| 6) Phenol                      | 6.92  | 94  | 48142  | 19.900 | ng/ul 98  |
| 8) Bis(2-Chloroethyl)ether     | 7.16  | 93  | 34700  | 20.052 | ng/ul 98  |
| 10) 2-Chlorophenol             | 7.29  | 128 | 40260  | 20.580 | ng/ul 99  |
| 11) 2-Methylphenol             | 8.16  | 108 | 38292  | 19.790 | ng/ul 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.26  | 45  | 42191  | 20.570 | ng/ul 99  |
| 14) Acetophenone               | 8.55  | 105 | 62420  | 20.112 | ng/ul 98  |
| 15) N-Nitroso-di-n-propylamine | 8.53  | 70  | 28082  | 21.092 | ng/ul 99  |
| 16) 4-Methylphenol             | 8.49  | 108 | 42048  | 19.633 | ng/ul 95  |
| 17) Hexachloroethane           | 8.79  | 117 | 14366  | 20.975 | ng/ul 99  |
| 20) Nitrobenzene               | 8.93  | 77  | 41780  | 21.798 | ng/ul 98  |
| 21) Isophorone                 | 9.45  | 82  | 83828  | 21.350 | ng/ul 99  |
| 23) 2-Nitrophenol              | 9.63  | 139 | 23987  | 23.384 | ng/ul 98  |
| 24) 2,4-Dimethylphenol         | 9.69  | 107 | 48651  | 21.026 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.93  | 93  | 52801  | 20.725 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.16 | 162 | 43524  | 21.262 | ng/ul 99  |
| 28) Naphthalene                | 10.56 | 128 | 138940 | 20.363 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.68 | 127 | 53868  | 23.471 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.83 | 225 | 27124  | 20.495 | ng/ul 98  |
| 32) Caprolactam                | 11.44 | 113 | 14322  | 20.720 | ng/ul 96  |
| 33) 4-Chloro-3-methylphenol    | 11.80 | 107 | 47728  | 21.618 | ng/ul 100 |
| 34) 2-Methylnaphthalene        | 12.18 | 142 | 106414 | 20.332 | ng/ul 100 |

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 Quant Title : SVOA CALIBRATION  
 QLast Update : Sat Mar 02 03:55:03 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 35) 1-Methylnaphthalene        | 12.40 | 142  | 103829   | 20.117 | ng/ul | 98       |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.55 | 216  | 58225    | 20.621 | ng/ul | 98       |
| 38) Hexachlorocyclopentadiene  | 12.52 | 237  | 30640    | 17.454 | ng/ul | 98       |
| 39) 2,4,6-Trichlorophenol      | 12.79 | 196  | 37186    | 22.290 | ng/ul | 98       |
| 40) 2,4,5-Trichlorophenol      | 12.86 | 196  | 40796    | 21.767 | ng/ul | 97       |
| 41) 1,1'-Biphenyl              | 13.20 | 154  | 138681   | 20.236 | ng/ul | 100      |
| 42) 2-Chloronaphthalene        | 13.24 | 162  | 108620   | 20.376 | ng/ul | 99       |
| 43) 2-Nitroaniline             | 13.46 | 65   | 25746    | 23.660 | ng/ul | 99       |
| 45) Dimethylphthalate          | 13.83 | 163  | 141020   | 19.832 | ng/ul | 100      |
| 46) 2,6-Dinitrotoluene         | 13.96 | 165  | 28149    | 22.453 | ng/ul | 95       |
| 48) Acenaphthylene             | 14.09 | 152  | 168375   | 20.809 | ng/ul | 99       |
| 49) 3-Nitroaniline             | 14.29 | 138  | 28784    | 22.496 | ng/ul | 98       |
| 50) Acenaphthene               | 14.43 | 153  | 119663   | 20.529 | ng/ul | 98       |
| 51) 2,4-Dinitrophenol          | 14.49 | 184  | 13703    | 17.569 | ng/ul | 99       |
| 53) 4-Nitrophenol              | 14.59 | 109  | 19299    | 18.848 | ng/ul | 96       |
| 54) Dibenzofuran               | 14.77 | 168  | 169305   | 20.080 | ng/ul | 100      |
| 55) 2,4-Dinitrotoluene         | 14.74 | 165  | 42933    | 21.830 | ng/ul | 100      |
| 56) 2,3,4,6-Tetrachlorophenol  | 14.99 | 232  | 37048    | 21.665 | ng/ul | 99       |
| 57) Diethylphthalate           | 15.19 | 149  | 141168   | 20.118 | ng/ul | 99       |
| 59) Fluorene                   | 15.42 | 166  | 137887   | 20.181 | ng/ul | 100      |
| 60) 4-Chlorophenyl-phenylether | 15.42 | 204  | 72396    | 20.024 | ng/ul | 99       |
| 61) 4-Nitroaniline             | 15.45 | 138  | 34621    | 20.791 | ng/ul | 97       |
| 64) 4,6-Dinitro-2-methylphenol | 15.50 | 198  | 25477    | 20.657 | ng/ul | 98       |
| 65) N-Nitrosodiphenylamine     | 15.63 | 169  | 121528   | 21.094 | ng/ul | 100      |
| 66) 4-Bromophenyl-phenylether  | 16.31 | 248  | 48053    | 21.377 | ng/ul | 97       |
| 67) Hexachlorobenzene          | 16.42 | 284  | 55393    | 21.038 | ng/ul | 99       |
| 68) Atrazine                   | 16.58 | 200  | 45680    | 20.586 | ng/ul | 98       |
| 69) Pentachlorophenol          | 16.76 | 266  | 30779    | 20.054 | ng/ul | 98       |
| 70) Phenanthrene               | 17.16 | 178  | 228234   | 20.448 | ng/ul | 100      |
| 72) Anthracene                 | 17.25 | 178  | 233448   | 20.774 | ng/ul | 100      |
| 73) 1,2,3,4-Tetrachlorobenzene | 13.16 | 216  | 59054    | 21.401 | ng/ul | 97       |
| 74) Pentachlorobenzene         | 14.68 | 250  | 62538    | 21.204 | ng/ul | 99       |
| 75) Carbazole                  | 17.53 | 167  | 207326   | 20.650 | ng/ul | 99       |
| 76) Di-n-butylphthalate        | 18.08 | 149  | 237159   | 21.516 | ng/ul | 100      |
| 77) Fluoranthene               | 19.19 | 202  | 277969   | 20.229 | ng/ul | 98       |
| 80) Pvrene                     | 19.55 | 202  | 284557   | 20.588 | ng/ul | 98       |
| 81) Butylbenzylphthalate       | 20.45 | 149  | 110244   | 23.212 | ng/ul | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.25 | 252  | 107651   | 20.536 | ng/ul | 99       |
| 83) Benzo(a)anthracene         | 21.30 | 228  | 316298   | 20.534 | ng/ul | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.23 | 149  | 167265   | 23.497 | ng/ul | 99       |
| 85) Chrysene                   | 21.36 | 228  | 296770   | 20.295 | ng/ul | 100      |
| 87) Di-n-octyl phthalate       | 22.12 | 149  | 301346   | 22.496 | ng/ul | 100      |
| 88) Benzo(b)fluoranthene       | 22.90 | 252  | 344072   | 20.766 | ng/ul | 99       |
| 89) Benzo(k)fluoranthene       | 22.95 | 252  | 325299   | 20.195 | ng/ul | 99       |
| 91) Benzo(a)pyrene             | 23.49 | 252  | 326023   | 20.165 | ng/ul | 100      |
| 92) Indeno(1,2,3-cd)pyrene     | 25.87 | 276  | 368926   | 17.971 | ng/ul | 99       |
| 93) Dibenzo(a,h)anthracene     | 25.89 | 278  | 309313   | 18.110 | ng/ul | 99       |
| 94) Benzo(a,h,i)perylene       | 26.58 | 276  | 297691   | 17.302 | 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 |      |      |          |      |       |          |

