

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN050319\  
 Data File : BN005449.D  
 Acq On : 03 May 2019 13:35  
 Operator : JU/SJ  
 Sample : SSTDCCC020  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTD02094

Manual Integrations  
 APPROVED

mohammad  
 5/7/2019 8:21:04 AM

Quant Time: May 04 00:48:21 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN041919MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Fri May 03 22:32:03 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.59  | 152  | 333886   | 20.00 | ng/ul | 0.00     |
| 18) Naphthalene-d8        | 10.35 | 136  | 1410452  | 20.00 | ng/ul | 0.00     |
| 35) Acenaphthene-d10      | 14.22 | 164  | 895704   | 20.00 | ng/ul | 0.00     |
| 61) Phenanthrene-d10      | 16.98 | 188  | 2100007  | 20.00 | ng/ul | 0.00     |
| 77) Chrysene-d12          | 21.21 | 240  | 1921035  | 20.00 | ng/ul | 0.00     |
| 85) Perylene-d12          | 23.42 | 264  | 1779302  | 20.00 | ng/ul | 0.00     |

## System Monitoring Compounds

|                                |       |     |         |       |       |      |
|--------------------------------|-------|-----|---------|-------|-------|------|
| 3) 1,4-Dioxane-d8              | 3.21  | 96  | 48070   | 6.95  | ng/uL | 0.00 |
| 5) Phenol-d5                   | 6.78  | 99  | 496128  | 18.92 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d  | 6.94  | 67  | 269929  | 16.50 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4           | 7.13  | 132 | 395595  | 19.71 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8          | 8.29  | 113 | 400800  | 19.55 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5            | 8.73  | 128 | 199693  | 23.00 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4           | 9.45  | 143 | 223713  | 25.42 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3      | 9.98  | 165 | 436581  | 21.64 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4         | 10.49 | 131 | 455526  | 21.90 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6       | 13.64 | 166 | 1299757 | 19.99 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8          | 13.91 | 160 | 1601477 | 20.05 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4           | 14.44 | 143 | 213430  | 20.79 | ng/ul | 0.00 |
| 57) Fluorene-d10               | 15.22 | 176 | 1111512 | 20.37 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.36 | 200 | 216719  | 22.95 | ng/ul | 0.00 |
| 70) Anthracene-d10             | 17.08 | 188 | 1755198 | 19.94 | ng/ul | 0.00 |
| 78) Pyrene-d10                 | 19.39 | 212 | 1953024 | 19.87 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12         | 23.27 | 264 | 1574900 | 20.25 | ng/ul | 0.00 |

## Target Compounds

|                                |       |     |         |        | Ovalue    |
|--------------------------------|-------|-----|---------|--------|-----------|
| 2) 1,4-Dioxane                 | 3.25  | 88  | 51167   | 6.879  | ng/uL 98  |
| 4) Benzaldehyde                | 6.75  | 77  | 338580  | 18.220 | ng/ul 99  |
| 6) Phenol                      | 6.80  | 94  | 501909  | 18.608 | ng/ul 99  |
| 8) Bis(2-Chloroethyl)ether     | 7.03  | 93  | 389379  | 18.029 | ng/ul 91  |
| 10) 2-Chlorophenol             | 7.16  | 128 | 405628  | 19.551 | ng/ul 96  |
| 11) 2-Methylphenol             | 8.03  | 108 | 391115  | 19.351 | ng/ul 95  |
| 12) 2,2'-oxybis(1-Chloropropan | 8.12  | 45  | 546116  | 15.060 | ng/ul 95  |
| 14) Acetophenone               | 8.40  | 105 | 641979  | 19.568 | ng/ul 96  |
| 15) N-Nitroso-di-n-propylamine | 8.39  | 70  | 314331  | 17.912 | ng/ul# 90 |
| 16) 4-Methylphenol             | 8.36  | 108 | 422853  | 19.372 | ng/ul 98  |
| 17) Hexachloroethane           | 8.65  | 117 | 170293  | 18.901 | ng/ul 91  |
| 20) Nitrobenzene               | 8.78  | 77  | 464146  | 19.428 | ng/ul 95  |
| 21) Isophorone                 | 9.29  | 82  | 904255  | 19.116 | ng/ul 97  |
| 23) 2-Nitrophenol              | 9.48  | 139 | 239252  | 23.991 | ng/ul 94  |
| 24) 2,4-Dimethylphenol         | 9.55  | 107 | 482074  | 19.305 | ng/ul 99  |
| 25) Bis(2-Chloroethoxy)methane | 9.78  | 93  | 539438  | 18.146 | ng/ul 99  |
| 27) 2,4-Dichlorophenol         | 10.00 | 162 | 425557  | 21.375 | ng/ul 97  |
| 28) Naphthalene                | 10.40 | 128 | 1297757 | 19.792 | ng/ul 99  |
| 30) 4-Chloroaniline            | 10.52 | 127 | 470581  | 22.207 | ng/ul 99  |
| 31) Hexachlorobutadiene        | 10.69 | 225 | 288750  | 20.538 | ng/ul 97  |
| 32) Caprolactam                | 11.27 | 113 | 135910m | 22.562 | ng/ul     |
| 33) 4-Chloro-3-methylphenol    | 11.65 | 107 | 458725  | 20.462 | ng/ul 92  |
| 34) 2-Methylnaphthalene        | 12.02 | 142 | 964132  | 20.082 | ng/ul 97  |

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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.40 | 216  | 567118   | 20.459 | ng/ul  | 96       |
| 37) Hexachlorocyclopentadiene  | 12.37 | 237  | 331160   | 17.522 | ng/ul  | 98       |
| 38) 2,4,6-Trichlorophenol      | 12.65 | 196  | 360098   | 21.544 | ng/ul  | 97       |
| 39) 2,4,5-Trichlorophenol      | 12.72 | 196  | 379873   | 21.150 | ng/ul  | 97       |
| 40) 1,1'-Biphenyl              | 13.05 | 154  | 1281473  | 19.201 | ng/ul  | 98       |
| 41) 2-Chloronaphthalene        | 13.09 | 162  | 1010275  | 19.683 | ng/ul  | 97       |
| 42) 2-Nitroaniline             | 13.30 | 65   | 287073   | 21.087 | ng/ul  | 91       |
| 44) Dimethylphthalate          | 13.69 | 163  | 1277575  | 19.719 | ng/ul  | 99       |
| 45) 2,6-Dinitrotoluene         | 13.81 | 165  | 271636   | 24.282 | ng/ul# | 86       |
| 47) Acenaphthylene             | 13.94 | 152  | 1553471  | 19.794 | ng/ul  | 99       |
| 48) 3-Nitroaniline             | 14.13 | 138  | 245805   | 23.635 | ng/ul# | 88       |
| 49) Acenaphthene               | 14.29 | 153  | 1050030  | 19.598 | ng/ul  | 100      |
| 50) 2,4-Dinitrophenol          | 14.36 | 184  | 118301   | 21.710 | ng/ul  | 87       |
| 52) 4-Nitrophenol              | 14.46 | 109  | 177777   | 19.077 | ng/ul  | 91       |
| 53) Dibenzofuran               | 14.63 | 168  | 1541571  | 19.984 | ng/ul  | 98       |
| 54) 2,4-Dinitrotoluene         | 14.60 | 165  | 391498   | 24.276 | ng/ul  | 89       |
| 55) 2,3,4,6-Tetrachlorophenol  | 14.86 | 232  | 342384   | 22.914 | ng/ul  | 94       |
| 56) Diethylphthalate           | 15.07 | 149  | 1268715  | 19.530 | ng/ul  | 98       |
| 58) Fluorene                   | 15.28 | 166  | 1224247  | 20.338 | ng/ul  | 96       |
| 59) 4-Chlorophenyl-phenylether | 15.28 | 204  | 663986   | 20.794 | ng/ul  | 96       |
| 60) 4-Nitroaniline             | 15.30 | 138  | 297792   | 22.968 | ng/ul  | 96       |
| 63) 4,6-Dinitro-2-methylphenol | 15.37 | 198  | 225460   | 22.428 | ng/ul# | 91       |
| 64) N-Nitrosodiphenylamine     | 15.50 | 169  | 1101178  | 19.159 | ng/ul  | 99       |
| 65) 4-Bromophenyl-phenylether  | 16.17 | 248  | 430837   | 20.365 | ng/ul  | 95       |
| 66) Hexachlorobenzene          | 16.29 | 284  | 472487   | 20.974 | ng/ul  | 92       |
| 67) Atrazine                   | 16.46 | 200  | 427905   | 19.998 | ng/ul  | 98       |
| 68) Pentachlorophenol          | 16.63 | 266  | 266435   | 20.199 | ng/ul  | 99       |
| 69) Phenanthrene               | 17.02 | 178  | 2018732  | 19.739 | ng/ul  | 99       |
| 71) Anthracene                 | 17.11 | 178  | 2046176  | 19.640 | ng/ul  | 99       |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.01 | 216  | 587184   | 19.143 | ng/ul  | 99       |
| 73) Pentachlorobenzene         | 14.55 | 250  | 549223   | 19.894 | ng/ul  | 99       |
| 74) Carbazole                  | 17.39 | 167  | 1808545  | 20.208 | ng/ul  | 99       |
| 75) Di-n-butylphthalate        | 17.96 | 149  | 2176673  | 19.384 | ng/ul  | 99       |
| 76) Fluoranthene               | 19.05 | 202  | 2418760  | 21.322 | ng/ul  | 96       |
| 79) Pvrene                     | 19.42 | 202  | 2468887  | 19.960 | ng/ul  | 95       |
| 80) Butylbenzylphthalate       | 20.35 | 149  | 993696   | 20.291 | ng/ul  | 90       |
| 81) 3,3'-Dichlorobenzidine     | 21.13 | 252  | 750493   | 19.554 | ng/ul# | 98       |
| 82) Benzo(a)anthracene         | 21.20 | 228  | 2368186  | 19.816 | ng/ul  | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.15 | 149  | 1443139  | 19.138 | ng/ul# | 98       |
| 84) Chrysene                   | 21.25 | 228  | 2198337  | 19.820 | ng/ul  | 98       |
| 86) Di-n-octyl phthalate       | 22.03 | 149  | 2449986  | 22.482 | ng/ul  | 100      |
| 87) Benzo(b)fluoranthene       | 22.76 | 252  | 2103894  | 21.035 | ng/ul# | 97       |
| 88) Benzo(k)fluoranthene       | 22.80 | 252  | 1924403  | 20.146 | ng/ul  | 99       |
| 90) Benzo(a)pyrene             | 23.32 | 252  | 1892564  | 20.131 | ng/ul# | 98       |
| 91) Indeno(1,2,3-cd)pyrene     | 25.61 | 276  | 2010074  | 19.338 | ng/ul  | 98       |
| 92) Dibenzo(a,h)anthracene     | 25.62 | 278  | 1711179  | 19.398 | ng/ul# | 95       |
| 93) Benzo(g,h,i)perylene       | 26.27 | 276  | 1605784  | 18.684 | ng/ul# | 94       |

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

