

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031119\  
 Data File : BM019096.D  
 Acq On : 11 Mar 2019 16:33  
 Operator : JU/SJ  
 Sample : SSTDICC080  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDICC080

Manual Integrations  
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 3/12/2019 4:45:11 PM

Quant Time: Mar 11 17:13:17 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 11 15:57:56 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 201377   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.45 | 136  | 937884   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.32 | 164  | 552661   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.07 | 188  | 1231056  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.28 | 240  | 1347943  | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 23.51 | 264  | 1247337  | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |          |        |    |      |
|--------------------------|-------|-----|----------|--------|----|------|
| 5) 2-Fluorophenol        | 5.26  | 112 | 2096951  | 170.62 | ng | 0.00 |
| 7) Phenol-d6             | 6.85  | 99  | 3163684  | 182.72 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.84  | 82  | 3326361  | 163.99 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.83 | 330 | 1452031  | 182.27 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 12.94 | 172 | 6943856  | 166.79 | ng | 0.00 |
| 79) Terphenyl-d14        | 19.72 | 244 | 10918018 | 167.09 | ng | 0.00 |

## Target Compounds

|                                |       |     |         |         |    | Qvalue |
|--------------------------------|-------|-----|---------|---------|----|--------|
| 2) 1,4-Dioxane                 | 3.22  | 88  | 429781  | 80.286  | ng | 100    |
| 3) Pyridine                    | 3.62  | 79  | 1255572 | 85.988  | ng | 100    |
| 4) n-Nitrosodimethylamine      | 3.54  | 42  | 393529  | 105.941 | ng | 98     |
| 6) Aniline                     | 7.02  | 93  | 1999552 | 94.255  | ng | 99     |
| 8) 2-Chlorophenol              | 7.23  | 128 | 1259703 | 93.353  | ng | 99     |
| 9) Benzaldehyde                | 6.83  | 77  | 722615  | 76.250  | ng | 99     |
| 10) Phenol                     | 6.87  | 94  | 1687436 | 92.624  | ng | 100    |
| 11) bis(2-Chloroethyl)ether    | 7.11  | 93  | 1263698 | 90.932  | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.55  | 146 | 1296091 | 85.419  | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.70  | 146 | 1325060 | 85.781  | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 8.02  | 146 | 1283075 | 86.474  | ng | 99     |
| 15) Benzyl Alcohol             | 7.92  | 79  | 1303728 | 94.764  | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.20  | 45  | 1226192 | 91.164  | ng | 100    |
| 17) 2-Methylphenol             | 8.12  | 107 | 1076115 | 92.807  | ng | 99     |
| 18) Hexachloroethane           | 8.73  | 117 | 503575  | 89.305  | ng | 95     |
| 19) n-Nitroso-di-n-propylamine | 8.49  | 70  | 1256989 | 93.763  | ng | 99     |
| 20) 3+4-Methylphenols          | 8.45  | 107 | 1499775 | 93.669  | ng | 98     |
| 22) Acetophenone               | 8.50  | 105 | 2172186 | 84.337  | ng | # 99   |
| 24) Nitrobenzene               | 8.88  | 77  | 1719080 | 81.650  | ng | 100    |
| 25) Isophorone                 | 9.40  | 82  | 3162384 | 97.712  | ng | 99     |
| 26) 2-Nitrophenol              | 9.58  | 139 | 770788  | 91.929  | ng | 99     |
| 27) 2,4-Dimethylphenol         | 9.64  | 122 | 1073109 | 87.627  | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 9.88  | 93  | 1856395 | 88.701  | ng | 100    |
| 29) 2,4-Dichlorophenol         | 10.11 | 162 | 1231008 | 87.544  | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.32 | 180 | 1317646 | 81.140  | ng | 99     |
| 31) Naphthalene                | 10.50 | 128 | 3985983 | 87.142  | ng | 99     |
| 32) Benzoic acid               | 9.86  | 122 | 976037m | 91.368  | ng |        |
| 33) 4-Chloroaniline            | 10.63 | 127 | 1739088 | 85.053  | ng | 100    |
| 34) Hexachlorobutadiene        | 10.76 | 225 | 746797  | 79.228  | ng | 99     |
| 35) Caprolactam                | 11.48 | 113 | 439563m | 76.596  | ng |        |
| 36) 4-Chloro-3-methylphenol    | 11.76 | 107 | 1467649 | 86.568  | ng | 100    |
| 37) 2-Methylnaphthalene        | 12.12 | 142 | 2940012 | 91.291  | ng | 100    |
| 38) 1-Methylnaphthalene        | 12.34 | 142 | 2871158 | 91.171  | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.49 | 216 | 1463895 | 82.804  | ng | 100    |

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| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.46 | 237  | 739370   | 81.799  | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 12.74 | 196  | 989778   | 84.571  | nq    | 99       |
| 44) 2,4,5-Trichlorophenol      | 12.82 | 196  | 1068890  | 87.136  | nq    | 99       |
| 46) 1,1'-Biphenyl              | 13.15 | 154  | 3944980  | 82.927  | nq    | 99       |
| 47) 2-Chloronaphthalene        | 13.19 | 162  | 2966959  | 80.747  | nq    | 100      |
| 48) 2-Nitroaniline             | 13.42 | 65   | 1077263  | 88.276  | nq    | 98       |
| 49) Acenaphthylene             | 14.04 | 152  | 5101144  | 93.236  | nq    | 100      |
| 50) Dimethylphthalate          | 13.80 | 163  | 3823103  | 83.005  | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 13.92 | 165  | 879609   | 88.161  | nq    | 99       |
| 52) Acenaphthene               | 14.39 | 154  | 2858428  | 85.204  | nq    | 100      |
| 53) 3-Nitroaniline             | 14.26 | 138  | 925917   | 82.134  | nq    | 96       |
| 54) 2,4-Dinitrophenol          | 14.47 | 184  | 569613   | 103.322 | nq    | 97       |
| 55) Dibenzofuran               | 14.73 | 168  | 4621241  | 83.807  | nq    | 98       |
| 56) 4-Nitrophenol              | 14.57 | 139  | 789151   | 87.691  | nq    | 95       |
| 57) 2,4-Dinitrotoluene         | 14.72 | 165  | 1275195  | 92.763  | nq    | 99       |
| 58) Fluorene                   | 15.37 | 166  | 3909065  | 92.665  | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.95 | 232  | 961704   | 88.695  | nq    | 99       |
| 60) Diethylphthalate           | 15.16 | 149  | 3929406  | 82.704  | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.37 | 204  | 1910545  | 80.776  | nq    | 99       |
| 62) 4-Nitroaniline             | 15.44 | 138  | 952719   | 86.204  | nq    | 97       |
| 63) Azobenzene                 | 15.67 | 77   | 4198089  | 82.409  | nq    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 15.48 | 198  | 721149   | 83.434  | nq    | 95       |
| 66) n-Nitrosodiphenylamine     | 15.60 | 169  | 3270530  | 84.088  | nq    | 100      |
| 67) 4-Bromophenyl-phenylether  | 16.27 | 248  | 1143890  | 83.014  | nq    | 96       |
| 68) Hexachlorobenzene          | 16.37 | 284  | 1356341  | 84.683  | nq    | 98       |
| 69) Atrazine                   | 16.56 | 200  | 1095899  | 87.400  | nq    | 99       |
| 70) Pentachlorophenol          | 16.73 | 266  | 863204   | 83.702  | nq    | 100      |
| 71) Phenanthrene               | 17.12 | 178  | 5917741  | 89.448  | nq    | 99       |
| 72) Anthracene                 | 17.21 | 178  | 5914769  | 91.852  | nq    | 99       |
| 73) Carbazole                  | 17.49 | 167  | 5612708  | 83.427  | nq    | 100      |
| 74) Di-n-butylphthalate        | 18.04 | 149  | 6842803  | 88.439  | nq    | 100      |
| 75) Fluoranthene               | 19.14 | 202  | 6881171  | 90.042  | nq    | 99       |
| 77) Benzidine                  | 19.34 | 184  | 3054718  | 100.625 | nq    | 100      |
| 78) Pyrene                     | 19.51 | 202  | 7116719  | 90.905  | nq    | 99       |
| 80) Butylbenzylphthalate       | 20.41 | 149  | 3309115  | 92.748  | nq    | 98       |
| 81) Benzo(a)anthracene         | 21.26 | 228  | 6942209  | 88.352  | nq    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.20 | 252  | 2647434  | 85.253  | nq    | 99       |
| 83) Chrysene                   | 21.31 | 228  | 6618439  | 87.880  | nq    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 21.18 | 149  | 4802837  | 91.974  | nq    | 97       |
| 85) Di-n-octyl phthalate       | 22.06 | 149  | 7960176  | 90.698  | nq    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 25.80 | 276  | 6618089  | 76.113  | nq    | 100      |
| 88) Benzo(b)fluoranthene       | 22.84 | 252  | 6937914  | 97.217  | nq    | 99       |
| 89) Benzo(k)fluoranthene       | 22.89 | 252  | 6274547  | 88.314  | nq    | 99       |
| 90) Benzo(a)pyrene             | 23.43 | 252  | 6135898  | 90.760  | nq    | 100      |
| 91) Dibenzo(a,h)anthracene     | 25.81 | 278  | 5598665  | 83.587  | nq    | 100      |
| 92) Benzo(g,h,i)perylene       | 26.49 | 276  | 4997747  | 80.148  | nq    | 100      |

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

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