

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081920\  
 Data File : BF121331.D  
 Acq On : 19 Aug 2020 21:31  
 Operator : JU/CG  
 Sample : SSTDICC080  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC080

Manual Integrations  
 APPROVED

mohammad  
 8/20/2020 12:24:06 PM

Quant Time: Aug 20 05:09:20 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 20 02:55:47 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.70  | 152  | 167535   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.98  | 136  | 592835   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.73  | 164  | 306470   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.21 | 188  | 585776   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.85 | 240  | 404835   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.26 | 264  | 429621   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.30  | 112 | 1298997 | 126.84 | ng | 0.00 |
| 7) Phenol-d6             | 6.36  | 99  | 1620622 | 124.05 | ng | 0.02 |
| 23) Nitrobenzene-d5      | 7.27  | 82  | 1478545 | 141.20 | ng | 0.01 |
| 42) 2,4,6-Tribromophenol | 10.53 | 330 | 482706  | 132.41 | ng | 0.01 |
| 45) 2-Fluorobiphenyl     | 0.00  | 172 | 0d      | 0.00   | ng |      |
| 79) Terphenyl-d14        | 0.00  | 244 | 0d      | 0.00   | ng |      |

## Target Compounds

|                                |      |     |         |         |    | Qvalue |
|--------------------------------|------|-----|---------|---------|----|--------|
| 2) 1,4-Dioxane                 | 2.33 | 88  | 339451  | 73.691  | ng | 98     |
| 3) Pyridine                    | 3.02 | 79  | 948189  | 76.171  | ng | 99     |
| 4) n-Nitrosodimethylamine      | 3.00 | 42  | 383443  | 75.674  | ng | 98     |
| 6) Aniline                     | 6.37 | 93  | 954637  | 63.132  | ng | 99     |
| 8) 2-Chlorophenol              | 6.49 | 128 | 686453  | 63.983  | ng | 99     |
| 9) Benzaldehyde                | 6.25 | 77  | 440488  | 56.746  | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 6.45 | 93  | 722376  | 68.370  | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 6.64 | 146 | 776968  | 64.457  | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.72 | 146 | 771563  | 63.813  | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.98 | 45  | 991862  | 63.118  | ng | 89     |
| 17) 2-Methylphenol             | 6.97 | 107 | 586535  | 66.555  | ng | # 93   |
| 18) Hexachloroethane           | 7.20 | 117 | 297995  | 65.772  | ng | 96     |
| 19) n-Nitroso-di-n-propylamine | 7.13 | 70  | 460975  | 64.046  | ng | 98     |
| 22) Acetophenone               | 7.12 | 105 | 900470  | 64.997  | ng | # 97   |
| 24) Nitrobenzene               | 7.29 | 77  | 750437  | 70.503  | ng | 98     |
| 25) Isophorone                 | 7.53 | 82  | 1433990 | 74.452  | ng | 99     |
| 26) 2-Nitrophenol              | 7.60 | 139 | 416930  | 75.511  | ng | 97     |
| 27) 2,4-Dimethylphenol         | 7.65 | 122 | 564803  | 71.967  | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 7.74 | 93  | 922812  | 70.714  | ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.85 | 162 | 595277  | 70.015  | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 7.93 | 180 | 661100  | 68.076  | ng | 99     |
| 31) Naphthalene                | 8.00 | 128 | 1929384 | 66.000  | ng | 99     |
| 32) Benzoic acid               | 7.83 | 122 | 535850  | 102.224 | ng | 99     |
| 33) 4-Chloroaniline            | 8.06 | 127 | 964599  | 73.867  | ng | 97     |
| 34) Hexachlorobutadiene        | 8.12 | 225 | 380228  | 65.726  | ng | 97     |
| 35) Caprolactam                | 8.47 | 113 | 217486m | 76.217  | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.56 | 107 | 621096  | 70.942  | ng | 99     |
| 37) 2-Methylnaphthalene        | 8.69 | 142 | 1238316 | 64.136  | ng | 97     |
| 38) 1-Methylnaphthalene        | 8.79 | 142 | 1183723 | 64.832  | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.86 | 216 | 588960  | 65.246  | ng | 99     |
| 41) Hexachlorocyclopentadiene  | 8.85 | 237 | 288190  | 100.850 | ng | 100    |
| 43) 2,4,6-Trichlorophenol      | 8.97 | 196 | 449697  | 72.250  | ng | 99     |
| 44) 2,4,5-Trichlorophenol      | 9.02 | 196 | 460578  | 71.998  | ng | 99     |
| 46) 1,1'-Biphenyl              | 9.16 | 154 | 1421866 | 62.049  | ng | 98     |

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|--------------------------------|-------|------|----------|---------|-------|----------|
| 47) 2-Chloronaphthalene        | 9.19  | 162  | 1222131  | 65.152  | ng    | 99       |
| 48) 2-Nitroaniline             | 9.29  | 65   | 451753   | 75.759  | ng    | 96       |
| 49) Acenaphthylene             | 9.60  | 152  | 1747252  | 62.387  | ng    | 99       |
| 50) Dimethylphthalate          | 9.47  | 163  | 1610847  | 71.010  | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.53  | 165  | 350187   | 72.568  | ng    | 96       |
| 52) Acenaphthene               | 9.77  | 154  | 1102066  | 64.739  | ng    | 98       |
| 53) 3-Nitroaniline             | 9.70  | 138  | 449492   | 75.551  | ng    | 94       |
| 54) 2,4-Dinitrophenol          | 9.81  | 184  | 231482   | 100.413 | ng    | 96       |
| 56) 4-Nitrophenol              | 9.87  | 139  | 302875   | 82.473  | ng    | 96       |
| 57) 2,4-Dinitrotoluene         | 9.94  | 165  | 362093   | 61.786  | ng    | # 76     |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.06 | 232  | 391535   | 71.286  | ng    | 99       |
| 60) Diethylphthalate           | 10.17 | 149  | 1452300  | 65.032  | ng    | 100      |
| 62) 4-Nitroaniline             | 10.33 | 138  | 465127   | 76.296  | ng    | 100      |
| 63) Azobenzene                 | 10.44 | 77   | 1323710  | 64.428  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylphenol | 10.35 | 198  | 271401   | 85.499  | ng    | 98       |
| 66) n-Nitrosodiphenylamine     | 10.40 | 169  | 1202544  | 66.736  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.76 | 248  | 432696   | 66.059  | ng    | 99       |
| 68) Hexachlorobenzene          | 10.83 | 284  | 497285   | 66.619  | ng    | 98       |
| 69) Atrazine                   | 10.93 | 200  | 383250   | 67.518  | ng    | 99       |
| 70) Pentachlorophenol          | 11.02 | 266  | 289812   | 84.971  | ng    | 99       |
| 72) Anthracene                 | 11.29 | 178  | 1841971  | 63.517  | ng    | 99       |
| 73) Carbazole                  | 11.45 | 167  | 1788647  | 64.515  | ng    | 98       |
| 74) Di-n-butylphthalate        | 11.78 | 149  | 2104040  | 59.926  | ng    | 99       |
| 77) Benzidine                  | 12.55 | 184  | 840637   | 89.116  | ng    | 100      |
| 78) Pyrene                     | 12.66 | 202  | 2018651  | 68.170  | ng    | 99       |
| 80) Butylbenzylphthalate       | 13.27 | 149  | 960512   | 70.235  | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine     | 13.81 | 252  | 662944   | 67.557  | ng    | 100      |
| 83) Chrysene                   | 13.88 | 228  | 1746778  | 68.172  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 13.83 | 149  | 904836   | 55.196  | ng    | # 98     |
| 85) Di-n-octyl phthalate       | 14.44 | 149  | 2013596  | 64.360  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene     | 16.62 | 276  | 1853763  | 70.051  | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 14.86 | 252  | 2054662  | 75.117  | ng    | 100      |
| 89) Benzo(k)fluoranthene       | 14.90 | 252  | 1424936  | 57.637  | ng    | 98       |
| 90) Benzo(a)pyrene             | 15.21 | 252  | 1675822  | 70.128  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 16.64 | 278  | 1448484  | 66.739  | ng    | 99       |
| 92) Benzo(a,h,i)perylene       | 17.03 | 276  | 1521969  | 72.167  | ng    | 99       |

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

