

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011619\  
 Data File : BF112066.D  
 Acq On : 16 Jan 2019 14:52  
 Operator : JU/SJ  
 Sample : SSTDICC2.5  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDICC2.5

Manual Integrations  
 APPROVED

Sohil  
 1/17/2019 2:07:49 PM

Quant Time: Jan 16 18:25:03 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 16 16:57:14 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.86  | 152  | 250643   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.15  | 136  | 988210   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.90  | 164  | 500157   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.39 | 188  | 986248   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.03 | 240  | 927447   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.50 | 264  | 946251   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |      |    |       |
|--------------------------|-------|-----|--------|------|----|-------|
| 5) 2-Fluorophenol        | 5.49  | 112 | 76560  | 5.23 | ng | 0.00  |
| 7) Phenol-d6             | 6.50  | 99  | 101289 | 5.36 | ng | -0.01 |
| 23) Nitrobenzene-d5      | 7.42  | 82  | 56006  | 3.03 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.69 | 330 | 22928  | 3.52 | ng | 0.00  |
| 45) 2-Fluorobiphenyl     | 9.22  | 172 | 202679 | 5.91 | ng | 0.00  |
| 79) Terphenyl-d14        | 12.96 | 244 | 260095 | 5.32 | ng | -0.01 |

## Target Compounds

|                                |      |     |        |       |    | Qvalue |
|--------------------------------|------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.63 | 88  | 16962  | 2.648 | ng | # 92   |
| 3) Pyridine                    | 3.43 | 79  | 35354  | 2.129 | ng | 91     |
| 4) n-Nitrosodimethylamine      | 3.34 | 42  | 17932  | 2.171 | ng | # 81   |
| 6) Aniline                     | 6.52 | 93  | 61566  | 2.697 | ng | 95     |
| 8) 2-Chlorophenol              | 6.65 | 128 | 44536  | 2.738 | ng | 98     |
| 9) Benzaldehyde                | 6.40 | 77  | 33936  | 2.873 | ng | 99     |
| 10) Phenol                     | 6.51 | 94  | 54149  | 2.638 | ng | 91     |
| 11) bis(2-Chloroethyl)ether    | 6.59 | 93  | 40733  | 2.566 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 6.80 | 146 | 51679  | 2.740 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.87 | 146 | 53907  | 2.817 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 7.03 | 146 | 49997  | 2.733 | ng | 98     |
| 15) Benzyl Alcohol             | 7.00 | 79  | 34512  | 2.310 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.13 | 45  | 62992  | 2.327 | ng | 98     |
| 17) 2-Methylphenol             | 7.12 | 107 | 33118  | 2.533 | ng | 96     |
| 18) Hexachloroethane           | 7.37 | 117 | 16329  | 2.444 | ng | 95     |
| 22) Acetophenone               | 7.26 | 105 | 66564  | 2.661 | ng | # 92   |
| 24) Nitrobenzene               | 7.43 | 77  | 28987  | 1.550 | ng | 97     |
| 25) Isophorone                 | 7.67 | 82  | 74978  | 2.504 | ng | 98     |
| 27) 2,4-Dimethylphenol         | 7.80 | 122 | 33050  | 2.482 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93  | 51735  | 2.589 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 8.01 | 162 | 33754  | 2.204 | ng | 96     |
| 30) 1,2,4-Trichlorobenzene     | 8.09 | 180 | 43177  | 2.556 | ng | 97     |
| 31) Naphthalene                | 8.16 | 128 | 126745 | 2.702 | ng | 98     |
| 33) 4-Chloroaniline            | 8.21 | 127 | 55815  | 2.752 | ng | 97     |
| 34) Hexachlorobutadiene        | 8.29 | 225 | 24200  | 2.301 | ng | 94     |
| 35) Caprolactam                | 8.53 | 113 | 12192  | 2.437 | ng | 91     |
| 36) 4-Chloro-3-methylphenol    | 8.70 | 107 | 35790  | 2.351 | ng | 95     |
| 37) 2-Methylnaphthalene        | 8.86 | 142 | 85559  | 2.943 | ng | 98     |
| 38) 1-Methylnaphthalene        | 8.96 | 142 | 81704  | 2.931 | ng | 97     |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.02 | 216 | 43412  | 2.723 | ng | 98     |
| 43) 2,4,6-Trichlorophenol      | 9.14 | 196 | 20520  | 1.897 | ng | 98     |
| 44) 2,4,5-Trichlorophenol      | 9.19 | 196 | 23195  | 2.047 | ng | 97     |
| 46) 1,1'-Biphenyl              | 9.32 | 154 | 120647 | 2.884 | ng | 99     |
| 47) 2-Chloronaphthalene        | 9.35 | 162 | 90887  | 2.768 | ng | 95     |

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|--------------------------------|-------|------|----------|-------|-------|----------|
| 49) Acenaphthylene             | 9.76  | 152  | 135985   | 2.801 | nq    | 96       |
| 50) Dimethylphthalate          | 9.61  | 163  | 101422   | 2.699 | nq    | 98       |
| 52) Acenaphthene               | 9.93  | 154  | 84093    | 2.687 | nq    | 98       |
| 55) Dibenzofuran               | 10.10 | 168  | 126381   | 2.777 | nq    | 96       |
| 58) Fluorene                   | 10.45 | 166  | 97056    | 2.931 | nq    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.23 | 232  | 15906    | 1.666 | nq    | 95       |
| 60) Diethylphthalate           | 10.31 | 149  | 100222   | 2.756 | nq    | 98       |
| 61) 4-Chlorophenyl-phenylether | 10.43 | 204  | 50864    | 2.739 | nq    | 98       |
| 63) Azobenzene                 | 10.59 | 77   | 97136    | 2.797 | nq    | 98       |
| 66) n-Nitrosodiphenylamine     | 10.55 | 169  | 90110    | 2.723 | nq    | 98       |
| 67) 4-Bromophenyl-phenylether  | 10.93 | 248  | 29970    | 2.346 | nq    | # 92     |
| 68) Hexachlorobenzene          | 11.00 | 284  | 33017    | 2.332 | nq    | 96       |
| 69) Atrazine                   | 11.07 | 200  | 29250    | 2.515 | nq    | 96       |
| 71) Phenanthrene               | 11.41 | 178  | 142954   | 2.711 | nq    | 98       |
| 72) Anthracene                 | 11.46 | 178  | 144682   | 2.703 | nq    | 98       |
| 73) Carbazole                  | 11.62 | 167  | 145400   | 2.793 | nq    | 96       |
| 74) Di-n-butylphthalate        | 11.94 | 149  | 165542   | 2.737 | nq    | 97       |
| 75) Fluoranthene               | 12.60 | 202  | 152763   | 2.822 | nq    | 97       |
| 77) Benzidine                  | 12.72 | 184  | 96501m   | 3.482 | nq    |          |
| 78) Pyrene                     | 12.83 | 202  | 159278   | 2.496 | nq    | 95       |
| 80) Butylbenzylphthalate       | 13.44 | 149  | 59861    | 2.219 | nq    | 96       |
| 81) Benzo(a)anthracene         | 14.02 | 228  | 147888   | 2.771 | nq    | 96       |
| 82) 3,3'-Dichlorobenzidine     | 13.97 | 252  | 55906    | 2.837 | nq    | 95       |
| 83) Chrysene                   | 14.05 | 228  | 140375   | 2.758 | nq    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 14.00 | 149  | 98822    | 2.789 | nq    | 96       |
| 85) Di-n-octyl phthalate       | 14.61 | 149  | 157141   | 3.099 | nq    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.97 | 276  | 140879   | 3.797 | nq    | 100      |
| 88) Benzo(b)fluoranthene       | 15.07 | 252  | 135828   | 2.400 | nq    | 98       |
| 89) Benzo(k)fluoranthene       | 15.09 | 252  | 138556   | 2.604 | nq    | 97       |
| 90) Benzo(a)pyrene             | 15.43 | 252  | 128176   | 2.575 | nq    | 97       |
| 91) Dibenzo(a,h)anthracene     | 16.99 | 278  | 118862   | 2.969 | nq    | 98       |
| 92) Benzo(g,h,i)perylene       | 17.42 | 276  | 114842   | 2.933 | nq    | 98       |

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

