

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN072518\  
 Data File : BN002134.D  
 Acq On : 25 Jul 2018 14:03  
 Operator : JU/SJ  
 Sample : SSTDICC025  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC025

Manual Integrations  
 APPROVED

Sohil  
 7/27/2018 11:35:26 AM

Quant Time: Jul 25 19:52:42 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN072518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 25 19:40:55 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.69  | 152  | 209072   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.46 | 136  | 933021   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.33 | 164  | 558082   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.07 | 188  | 1217691  | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.27 | 240  | 1031396  | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 23.50 | 264  | 914339   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.31  | 112  | 628218   | 48.38 | ng    | 0.00     |
| 7) Phenol-d6                | 6.88  | 99   | 895405   | 49.13 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.84  | 82   | 896445   | 49.27 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.82 | 330  | 362104   | 49.97 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.95 | 172  | 2093699  | 48.86 | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.71 | 244  | 2509016  | 50.74 | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 3.28  | 88   | 115909   | 23.775 | ng    | # 78   |
| 3) Pyridine                    | 3.66  | 79   | 344382   | 24.386 | ng    | # 72   |
| 4) n-Nitrosodimethylamine      | 3.58  | 42   | 143071   | 23.618 | ng    | # 69   |
| 6) Aniline                     | 7.03  | 93   | 549244   | 24.672 | ng    | 98     |
| 8) 2-Chlorophenol              | 7.26  | 128  | 367953   | 24.431 | ng    | 92     |
| 9) Benzaldehyde                | 6.85  | 77   | 294883   | 26.158 | ng    | 92     |
| 10) Phenol                     | 6.90  | 94   | 462072   | 24.735 | ng    | 98     |
| 11) bis(2-Chloroethyl)ether    | 7.13  | 93   | 370169   | 24.346 | ng    | 96     |
| 12) 1,3-Dichlorobenzene        | 7.58  | 146  | 417949   | 24.351 | ng    | 98     |
| 13) 1,4-Dichlorobenzene        | 7.73  | 146  | 426710   | 24.301 | ng    | 97     |
| 14) 1,2-Dichlorobenzene        | 8.04  | 146  | 408569   | 24.120 | ng    | 97     |
| 15) Benzyl Alcohol             | 7.93  | 79   | 328824   | 23.911 | ng    | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.22  | 45   | 608395   | 24.779 | ng    | 93     |
| 17) 2-Methylphenol             | 8.13  | 107  | 314997   | 24.699 | ng    | 95     |
| 18) Hexachloroethane           | 8.76  | 117  | 158305   | 24.634 | ng    | 91     |
| 19) n-Nitroso-di-n-propylamine | 8.49  | 70   | 334969   | 25.340 | ng    | # 97   |
| 20) 3+4-Methylphenols          | 8.46  | 107  | 437998   | 24.616 | ng    | 93     |
| 22) Acetophenone               | 8.50  | 105  | 597785   | 24.711 | ng    | # 96   |
| 24) Nitrobenzene               | 8.88  | 77   | 462500   | 24.529 | ng    | 97     |
| 25) Isophorone                 | 9.40  | 82   | 773042   | 24.746 | ng    | 95     |
| 26) 2-Nitrophenol              | 9.59  | 139  | 222117   | 24.386 | ng    | 95     |
| 27) 2,4-Dimethylphenol         | 9.66  | 122  | 313282   | 24.732 | ng    | 94     |
| 28) bis(2-Chloroethoxy)methane | 9.89  | 93   | 498755   | 24.717 | ng    | 97     |
| 29) 2,4-Dichlorophenol         | 10.12 | 162  | 365034   | 24.712 | ng    | 96     |
| 30) 1,2,4-Trichlorobenzene     | 10.33 | 180  | 410879   | 24.561 | ng    | 99     |
| 31) Naphthalene                | 10.52 | 128  | 1152577  | 24.477 | ng    | 98     |
| 32) Benzoic acid               | 9.78  | 122  | 257360m  | 25.317 | ng    |        |
| 33) 4-Chloroaniline            | 10.63 | 127  | 524926   | 25.054 | ng    | 97     |
| 34) Hexachlorobutadiene        | 10.80 | 225  | 252993   | 24.696 | ng    | 98     |
| 35) Caprolactam                | 11.39 | 113  | 129038   | 25.597 | ng    | # 71   |
| 36) 4-Chloro-3-methylphenol    | 11.76 | 107  | 422079   | 25.129 | ng    | 94     |
| 37) 2-Methylnaphthalene        | 12.13 | 142  | 822408   | 24.764 | ng    | 95     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.50 | 216  | 450207   | 23.992 | ng    | 99     |
| 40) Hexachlorocyclopentadiene  | 12.48 | 237  | 255392   | 24.097 | ng    | 92     |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 12.75 | 196  | 310426   | 24.656 | nq    | 97       |
| 43) 2,4,5-Trichlorophenol      | 12.82 | 196  | 325649   | 24.417 | nq    | 97       |
| 45) 1,1'-Biphenyl              | 13.15 | 154  | 1196421  | 24.362 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 13.19 | 162  | 921891   | 24.320 | nq    | 99       |
| 47) 2-Nitroaniline             | 13.40 | 65   | 304454   | 24.961 | nq    | 92       |
| 48) Acenaphthylene             | 14.05 | 152  | 1418416  | 24.658 | nq    | 97       |
| 49) Dimethylphthalate          | 13.79 | 163  | 1143800  | 24.673 | nq    | 99       |
| 50) 2,6-Dinitrotoluene         | 13.90 | 165  | 256504   | 24.905 | nq    | 94       |
| 51) Acenaphthene               | 14.39 | 154  | 844056   | 24.360 | nq    | 98       |
| 52) 3-Nitroaniline             | 14.23 | 138  | 279164   | 25.017 | nq    | # 89     |
| 53) 2,4-Dinitrophenol          | 14.45 | 184  | 124987   | 22.919 | nq    | 97       |
| 54) Dibenzofuran               | 14.73 | 168  | 1364227  | 24.284 | nq    | 96       |
| 55) 4-Nitrophenol              | 14.56 | 139  | 215718   | 25.180 | nq    | 86       |
| 56) 2,4-Dinitrotoluene         | 14.70 | 165  | 346544   | 24.792 | nq    | 88       |
| 57) Fluorene                   | 15.37 | 166  | 1039065  | 24.540 | nq    | 97       |
| 58) 2,3,4,6-Tetrachlorophenol  | 14.96 | 232  | 283430   | 24.711 | nq    | 95       |
| 59) Diethylphthalate           | 15.16 | 149  | 1164698  | 24.684 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.37 | 204  | 571547   | 24.394 | nq    | 94       |
| 61) 4-Nitroaniline             | 15.40 | 138  | 285199   | 25.071 | nq    | 92       |
| 62) Azobenzene                 | 15.67 | 77   | 1117060  | 24.673 | nq    | 98       |
| 64) 4,6-Dinitro-2-methylphenol | 15.46 | 198  | 205726   | 25.024 | nq    | 98       |
| 65) n-Nitrosodiphenylamine     | 15.59 | 169  | 992184   | 24.555 | nq    | 95       |
| 66) 4-Bromophenyl-phenylether  | 16.27 | 248  | 346532   | 24.309 | nq    | 94       |
| 67) Hexachlorobenzene          | 16.38 | 284  | 379215   | 24.051 | nq    | 97       |
| 68) Atrazine                   | 16.55 | 200  | 337363   | 24.799 | nq    | 98       |
| 69) Pentachlorophenol          | 16.73 | 266  | 252048   | 24.834 | nq    | 100      |
| 70) Phenanthrene               | 17.12 | 178  | 1621324  | 24.393 | nq    | 99       |
| 71) Anthracene                 | 17.20 | 178  | 1614843  | 24.546 | nq    | 97       |
| 72) Carbazole                  | 17.47 | 167  | 1617528  | 24.504 | nq    | 98       |
| 73) Di-n-butylphthalate        | 18.05 | 149  | 1881939  | 24.441 | nq    | 99       |
| 74) Fluoranthene               | 19.13 | 202  | 1738417  | 24.090 | nq    | 98       |
| 76) Benzidine                  | 19.32 | 184  | 828572   | 24.631 | nq    | 97       |
| 77) Pyrene                     | 19.50 | 202  | 1811813  | 25.473 | nq    | 100      |
| 79) Butylbenzylphthalate       | 20.41 | 149  | 766930   | 24.770 | nq    | 91       |
| 80) Benzo(a)anthracene         | 21.26 | 228  | 1550424  | 24.663 | nq    | 97       |
| 81) 3,3'-Dichlorobenzidine     | 21.19 | 252  | 610001   | 24.907 | nq    | 99       |
| 82) Chrysene                   | 21.31 | 228  | 1465566  | 24.486 | nq    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 21.19 | 149  | 1048632  | 24.288 | nq    | 95       |
| 84) Di-n-octyl phthalate       | 22.07 | 149  | 1624318  | 23.727 | nq    | 97       |
| 85) Indeno(1,2,3-cd)pyrene     | 25.73 | 276  | 1361175  | 28.594 | nq    | # 95     |
| 87) Benzo(b)fluoranthene       | 22.83 | 252  | 1291403  | 23.932 | nq    | 98       |
| 88) Benzo(k)fluoranthene       | 22.87 | 252  | 1334047m | 25.102 | nq    |          |
| 89) Benzo(a)pyrene             | 23.40 | 252  | 1225970  | 24.327 | nq    | 97       |
| 90) Dibenzo(a,h)anthracene     | 25.73 | 278  | 1154204  | 24.394 | nq    | # 95     |
| 91) Benzo(g,h,i)perylene       | 26.40 | 276  | 1108192  | 24.236 | nq    | # 95     |

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

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