

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM050824\  
 Data File : BM045709.D  
 Acq On : 08 May 2024 12:14  
 Operator : MA/JU  
 Sample : SSTDICCC040  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SSTDICCC040

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 05/10/2024  
 Supervised By :mohammad ahmed 05/10/2024

Quant Time: May 08 14:55:05 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM050824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 08 14:48:54 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.645  | 152  | 672891   | 20.000 | ng     | 0.00     |
| 21) Naphthalene-d8            | 10.422 | 136  | 3087717  | 20.000 | ng     | 0.00     |
| 39) Acenaphthene-d10          | 14.280 | 164  | 1890117  | 20.000 | ng     | 0.00     |
| 64) Phenanthrene-d10          | 17.027 | 188  | 3855681  | 20.000 | ng     | 0.00     |
| 76) Chrysene-d12              | 21.221 | 240  | 3379388  | 20.000 | ng     | 0.00     |
| 86) Perylene-d12              | 23.415 | 264  | 3975098  | 20.000 | ng     | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 5) 2-Fluorophenol             | 5.257  | 112  | 3180842  | 78.605 | ng     | 0.00     |
| 7) Phenol-d6                  | 6.822  | 99   | 4355944  | 79.388 | ng     | 0.00     |
| 23) Nitrobenzene-d5           | 8.792  | 82   | 4297497  | 79.680 | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.774 | 330  | 1500552  | 81.044 | ng     | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.910 | 172  | 9497670  | 81.772 | ng     | 0.00     |
| 79) Terphenyl-d14             | 19.668 | 244  | 12638561 | 81.927 | ng     | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.228  | 88   | 594096   | 38.634 | ng     | 100      |
| 3) Pyridine                   | 3.604  | 79   | 1797380  | 39.530 | ng     | 100      |
| 4) n-Nitrosodimethylamine     | 3.522  | 42   | 941079   | 39.539 | ng     | 100      |
| 6) Aniline                    | 6.981  | 93   | 2237256  | 41.131 | ng     | 100      |
| 8) 2-Chlorophenol             | 7.216  | 128  | 1775856  | 39.603 | ng     | 100      |
| 9) Benzaldehyde               | 6.792  | 77   | 1069959  | 37.822 | ng     | 100      |
| 10) Phenol                    | 6.845  | 94   | 2196749  | 39.658 | ng     | 100      |
| 11) bis(2-Chloroethyl)ether   | 7.081  | 93   | 1840022  | 39.192 | ng     | 100      |
| 12) 1,3-Dichlorobenzene       | 7.539  | 146  | 1976416  | 39.262 | ng     | 100      |
| 13) 1,4-Dichlorobenzene       | 7.681  | 146  | 2004334  | 39.318 | ng     | 100      |
| 14) 1,2-Dichlorobenzene       | 7.992  | 146  | 1901743  | 39.004 | ng     | 100      |
| 15) Benzyl Alcohol            | 7.881  | 79   | 1544281  | 39.768 | ng     | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 8.181  | 45   | 2835525  | 39.168 | ng     | 100      |
| 17) 2-Methylphenol            | 8.086  | 107  | 1495420  | 39.738 | ng     | 100      |
| 18) Hexachloroethane          | 8.722  | 117  | 775149   | 39.106 | ng     | 100      |
| 19) n-Nitroso-di-n-propyla... | 8.457  | 70   | 1478406  | 39.249 | ng     | 100      |
| 20) 3+4-Methylphenols         | 8.410  | 107  | 2087861  | 39.727 | ng     | 100      |
| 22) Acetophenone              | 8.463  | 105  | 2885171  | 39.246 | ng     | 100      |
| 24) Nitrobenzene              | 8.833  | 77   | 2110564  | 39.313 | ng     | 100      |
| 25) Isophorone                | 9.357  | 82   | 4208409  | 39.079 | ng     | 100      |
| 26) 2-Nitrophenol             | 9.539  | 139  | 810943   | 36.849 | ng     | 100      |
| 27) 2,4-Dimethylphenol        | 9.610  | 122  | 1287231  | 39.528 | ng     | 100      |
| 28) bis(2-Chloroethoxy)met... | 9.851  | 93   | 2557069  | 38.874 | ng     | 100      |
| 29) 2,4-Dichlorophenol        | 10.069 | 162  | 1626364  | 40.052 | ng     | 100      |
| 30) 1,2,4-Trichlorobenzene    | 10.286 | 180  | 1806891  | 39.342 | ng     | 100      |
| 31) Naphthalene               | 10.469 | 128  | 6091949  | 39.042 | ng     | 100      |
| 32) Benzoic acid              | 9.745  | 122  | 1008886  | 39.263 | ng     | 100      |
| 33) 4-Chloroaniline           | 10.575 | 127  | 2436991  | 39.357 | ng     | 100      |
| 34) Hexachlorobutadiene       | 10.769 | 225  | 1025896  | 39.146 | ng     | 100      |
| 35) Caprolactam               | 11.345 | 113  | 605581   | 39.505 | ng     | 100      |
| 36) 4-Chloro-3-methylphenol   | 11.710 | 107  | 1894176  | 39.660 | ng     | 100      |
| 37) 2-Methylnaphthalene       | 12.092 | 142  | 4173268  | 39.101 | ng     | 100      |
| 38) 1-Methylnaphthalene       | 12.310 | 142  | 4112067  | 38.971 | ng     | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.463 | 216  | 1840161  | 39.485 | ng     | 100      |
| 41) Hexachlorocyclopentadiene | 12.451 | 237  | 683112   | 41.497 | ng     | 100      |
| 43) 2,4,6-Trichlorophenol     | 12.704 | 196  | 1231413  | 40.870 | ng     | 100      |

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| 44) 2,4,5-Trichlorophenol     | 12.769 | 196  | 1358358  | 40.529 | ng    | 100      |
| 46) 1,1'-Biphenyl             | 13.116 | 154  | 5151558  | 39.301 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 13.151 | 162  | 4043193  | 39.385 | ng    | 100      |
| 48) 2-Nitroaniline            | 13.351 | 65   | 1157827  | 37.899 | ng    | 100      |
| 49) Acenaphthylene            | 13.998 | 152  | 6208797  | 39.598 | ng    | 100      |
| 50) Dimethylphthalate         | 13.757 | 163  | 5039045  | 39.089 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 13.857 | 165  | 1069887  | 41.412 | ng    | 100      |
| 52) Acenaphthene              | 14.351 | 154  | 3868931m | 39.118 | ng    |          |
| 53) 3-Nitroaniline            | 14.180 | 138  | 1206533  | 41.670 | ng    | 100      |
| 54) 2,4-Dinitrophenol         | 14.386 | 184  | 307168   | 39.042 | ng    | 100      |
| 55) Dibenzofuran              | 14.686 | 168  | 5885887  | 39.201 | ng    | 100      |
| 56) 4-Nitrophenol             | 14.486 | 139  | 988650   | 37.936 | ng    | 100      |
| 57) 2,4-Dinitrotoluene        | 14.645 | 165  | 1431255  | 37.925 | ng    | 100      |
| 58) Fluorene                  | 15.333 | 166  | 5000388  | 39.274 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 14.910 | 232  | 1129434  | 40.859 | ng    | 100      |
| 60) Diethylphthalate          | 15.139 | 149  | 5476741  | 39.179 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.339 | 204  | 2367551  | 39.241 | ng    | 100      |
| 62) 4-Nitroaniline            | 15.351 | 138  | 1298970  | 41.232 | ng    | 100      |
| 63) Azobenzene                | 15.633 | 77   | 5256230  | 38.674 | ng    | 100      |
| 65) 4,6-Dinitro-2-methylph... | 15.410 | 198  | 511497   | 38.934 | ng    | 100      |
| 66) n-Nitrosodiphenylamine    | 15.551 | 169  | 4125544  | 39.094 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 16.233 | 248  | 1450985  | 39.441 | ng    | 100      |
| 68) Hexachlorobenzene         | 16.339 | 284  | 1674970  | 39.053 | ng    | 100      |
| 69) Atrazine                  | 16.515 | 200  | 1287330  | 40.224 | ng    | 100      |
| 70) Pentachlorophenol         | 16.674 | 266  | 1072171  | 39.926 | ng    | 100      |
| 71) Phenanthrene              | 17.068 | 178  | 7269319  | 39.863 | ng    | 100      |
| 72) Anthracene                | 17.162 | 178  | 7264649  | 39.917 | ng    | 100      |
| 73) Carbazole                 | 17.427 | 167  | 7356477  | 39.767 | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.033 | 149  | 9970960  | 43.650 | ng    | 100      |
| 75) Fluoranthene              | 19.086 | 202  | 8755091  | 41.123 | ng    | 100      |
| 77) Benzidine                 | 19.280 | 184  | 6664071  | 68.689 | ng    | 100      |
| 78) Pyrene                    | 19.450 | 202  | 9057348  | 41.648 | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.386 | 149  | 4133888  | 37.852 | ng    | 100      |
| 81) Benzo(a)anthracene        | 21.203 | 228  | 8693449  | 41.130 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.144 | 252  | 3292381  | 41.796 | ng    | 100      |
| 83) Chrysene                  | 21.256 | 228  | 8028834  | 41.298 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.186 | 149  | 6661111  | 43.164 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.062 | 149  | 11127422 | 46.391 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 25.626 | 276  | 10302977 | 40.422 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 22.768 | 252  | 9129191  | 39.210 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 22.809 | 252  | 8929809  | 40.535 | ng    | 100      |
| 90) Benzo(a)pyrene            | 23.327 | 252  | 8090082  | 39.562 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 25.650 | 278  | 8517586  | 40.278 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 26.297 | 276  | 8356834  | 40.457 | ng    | 100      |

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

