

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG111623\  
 Data File : BG059720.D  
 Acq On : 16 Nov 2023 16:07  
 Operator : MA/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ICVBG111623

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 11/17/2023  
 Supervised By :mohammad ahmed 11/19/2023

Quant Time: Nov 17 01:53:15 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG111623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 17 01:51:38 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.344  | 152  | 31399    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.193 | 136  | 120718   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.971 | 164  | 92971    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.721 | 188  | 209154   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 22.045 | 240  | 183217   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 25.635 | 264  | 325581   | 20.000 | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.829  | 112  | 133764   | 71.704 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.457  | 99   | 200404   | 72.492 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.542  | 82   | 295524   | 93.496 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.458 | 330  | 91176    | 86.433 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.591 | 172  | 552104   | 79.934 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.295 | 244  | 1048002  | 84.441 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.673  | 88   | 24895    | 28.413 | ng    | # 91     |
| 3) Pyridine                   | 4.090  | 79   | 79915    | 33.393 | ng    | # 92     |
| 4) n-Nitrosodimethylamine     | 4.019  | 42   | 40275    | 31.635 | ng    | # 91     |
| 6) Aniline                    | 7.662  | 93   | 130394   | 35.740 | ng    | 98       |
| 8) 2-Chlorophenol             | 7.891  | 128  | 70282    | 34.728 | ng    | 94       |
| 9) Benzaldehyde               | 7.486  | 77   | 69708    | 37.303 | ng    | 94       |
| 10) Phenol                    | 7.486  | 94   | 101882   | 35.758 | ng    | 93       |
| 11) bis(2-Chloroethyl)ether   | 7.756  | 93   | 61950    | 34.928 | ng    | 93       |
| 12) 1,3-Dichlorobenzene       | 8.226  | 146  | 80500    | 35.810 | ng    | 95       |
| 13) 1,4-Dichlorobenzene       | 8.379  | 146  | 82465    | 36.530 | ng    | 94       |
| 14) 1,2-Dichlorobenzene       | 8.696  | 146  | 82735    | 36.889 | ng    | 93       |
| 15) Benzyl Alcohol            | 8.579  | 79   | 115201   | 36.543 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.849  | 45   | 25507    | 39.088 | ng    | # 78     |
| 17) 2-Methylphenol            | 8.761  | 107  | 82825    | 39.467 | ng    | 91       |
| 18) Hexachloroethane          | 9.425  | 117  | 35703    | 37.263 | ng    | 91       |
| 19) n-Nitroso-di-n-propyla... | 9.149  | 70   | 84925    | 39.010 | ng    | 95       |
| 20) 3+4-Methylphenols         | 9.096  | 107  | 113467   | 38.947 | ng    | 96       |
| 22) Acetophenone              | 9.184  | 105  | 156412   | 45.765 | ng    | # 90     |
| 24) Nitrobenzene              | 9.589  | 77   | 137408   | 47.202 | ng    | 99       |
| 25) Isophorone                | 10.095 | 82   | 242062   | 45.617 | ng    | 96       |
| 26) 2-Nitrophenol             | 10.289 | 139  | 48949    | 45.864 | ng    | # 80     |
| 27) 2,4-Dimethylphenol        | 10.312 | 122  | 90344    | 41.633 | ng    | # 95     |
| 28) bis(2-Chloroethoxy)met... | 10.571 | 93   | 89704    | 44.985 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 10.817 | 162  | 79555    | 42.941 | ng    | 87       |
| 30) 1,2,4-Trichlorobenzene    | 11.035 | 180  | 81257    | 43.397 | ng    | 93       |
| 31) Naphthalene               | 11.240 | 128  | 259773   | 42.795 | ng    | # 94     |
| 32) Benzoic acid              | 10.418 | 122  | 62590m   | 42.382 | ng    |          |
| 33) 4-Chloroaniline           | 11.358 | 127  | 112562   | 43.597 | ng    | 93       |
| 34) Hexachlorobutadiene       | 11.470 | 225  | 55781    | 43.773 | ng    | 94       |
| 35) Caprolactam               | 12.151 | 113  | 27827    | 41.097 | ng    | # 76     |
| 36) 4-Chloro-3-methylphenol   | 12.421 | 107  | 111495   | 45.251 | ng    | # 94     |
| 37) 2-Methylnaphthalene       | 12.821 | 142  | 209004   | 40.881 | ng    | 91       |
| 38) 1-Methylnaphthalene       | 13.038 | 142  | 200597   | 42.547 | ng    | 92       |
| 40) 1,2,4,5-Tetrachloroben... | 13.156 | 216  | 101997   | 40.623 | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 13.121 | 237  | 70065    | 44.486 | ng    | 94       |
| 43) 2,4,6-Trichlorophenol     | 13.403 | 196  | 71763    | 41.101 | ng    | 98       |

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## Manual Integrations

## APPROVED

Reviewed By :Yogesh Patel 11/17/2023

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QLast Update : Fri Nov 17 01:51:38 2023

Response via : Initial Calibration

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.473 | 196  | 82787    | 40.353 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.808 | 154  | 304239   | 41.691 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.861 | 162  | 207750   | 41.432 | ng    | 99       |
| 48) 2-Nitroaniline            | 14.078 | 65   | 81148    | 45.328 | ng    | # 81     |
| 49) Acenaphthylene            | 14.701 | 152  | 361219   | 42.249 | ng    | 94       |
| 50) Dimethylphthalate         | 14.413 | 163  | 300526   | 41.712 | ng    | # 91     |
| 51) 2,6-Dinitrotoluene        | 14.554 | 165  | 60075    | 43.953 | ng    | # 84     |
| 52) Acenaphthene              | 15.036 | 154  | 218067   | 42.410 | ng    | 98       |
| 53) 3-Nitroaniline            | 14.895 | 138  | 65522    | 40.955 | ng    | # 88     |
| 54) 2,4-Dinitrophenol         | 15.083 | 184  | 39142    | 38.539 | ng    | # 84     |
| 55) Dibenzofuran              | 15.371 | 168  | 357832   | 42.209 | ng    | 99       |
| 56) 4-Nitrophenol             | 15.159 | 139  | 49359    | 40.326 | ng    | # 90     |
| 57) 2,4-Dinitrotoluene        | 15.330 | 165  | 90805    | 43.201 | ng    | # 92     |
| 58) Fluorene                  | 16.017 | 166  | 300089   | 42.607 | ng    | 93       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.571 | 232  | 72954    | 40.454 | ng    | 99       |
| 60) Diethylphthalate          | 15.759 | 149  | 338397   | 43.794 | ng    | 96       |
| 61) 4-Chlorophenyl-phenyle... | 15.994 | 204  | 157970   | 43.575 | ng    | 99       |
| 62) 4-Nitroaniline            | 16.058 | 138  | 66550    | 41.506 | ng    | 94       |
| 63) Azobenzene                | 16.287 | 77   | 383476   | 44.658 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 16.082 | 198  | 56968    | 44.569 | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 16.217 | 169  | 272586   | 44.615 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.893 | 248  | 98185    | 43.697 | ng    | 91       |
| 68) Hexachlorobenzene         | 16.987 | 284  | 89517    | 42.685 | ng    | 96       |
| 69) Atrazine                  | 17.145 | 200  | 78963    | 40.310 | ng    | 93       |
| 70) Pentachlorophenol         | 17.339 | 266  | 70763    | 44.228 | ng    | # 85     |
| 71) Phenanthrene              | 17.762 | 178  | 468280m  | 44.037 | ng    |          |
| 72) Anthracene                | 17.856 | 178  | 477135   | 43.185 | ng    | 97       |
| 73) Carbazole                 | 18.132 | 167  | 412290   | 42.714 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.632 | 149  | 522399   | 44.774 | ng    | 98       |
| 75) Fluoranthene              | 19.754 | 202  | 537556   | 42.153 | ng    | 98       |
| 77) Benzidine                 | 19.942 | 184  | 157050   | 37.802 | ng    | 97       |
| 78) Pyrene                    | 20.118 | 202  | 521082   | 41.800 | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.976 | 149  | 221648   | 43.362 | ng    | 93       |
| 81) Benzo(a)anthracene        | 22.028 | 228  | 517687   | 41.295 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.934 | 252  | 195512   | 41.862 | ng    | 92       |
| 83) Chrysene                  | 22.098 | 228  | 470979   | 40.984 | ng    | 96       |
| 84) Bis(2-ethylhexyl)phtha... | 21.852 | 149  | 307276   | 43.002 | ng    | 96       |
| 85) Di-n-octyl phthalate      | 23.191 | 149  | 527771   | 38.366 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 29.801 | 276  | 1001846  | 40.667 | ng    | # 83     |
| 88) Benzo(b)fluoranthene      | 24.472 | 252  | 698958   | 39.169 | ng    | # 96     |
| 89) Benzo(k)fluoranthene      | 24.554 | 252  | 687152m  | 38.950 | ng    |          |
| 90) Benzo(a)pyrene            | 25.465 | 252  | 786280   | 41.286 | ng    | # 99     |
| 91) Dibenzo(a,h)anthracene    | 29.889 | 278  | 827431   | 39.698 | ng    | # 95     |
| 92) Benzo(g,h,i)perylene      | 31.117 | 276  | 772956   | 39.084 | ng    | # 92     |

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

