

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG011123\  
 Data File : BG056247.D  
 Acq On : 11 Jan 2023 12:24  
 Operator : CG/JU  
 Sample : PB150116BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB150116BS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 01/12/2023  
 Supervised By : Jagrut Upadhyay 01/12/2023

Quant Time: Jan 12 08:10:17 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG122722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 12 03:38:40 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.317  | 152  | 52400    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.149 | 136  | 196483   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.933 | 164  | 161460   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.665 | 188  | 409121   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.960 | 240  | 412668   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.403 | 264  | 406373   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.832  | 112  | 428212   | 145.911 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.454  | 99   | 592524   | 131.469 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.492  | 82   | 308673   | 80.359  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.408 | 330  | 264227   | 129.215 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.558 | 172  | 975105   | 83.397  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.239 | 244  | 1921150  | 83.381  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.646  | 88   | 46145    | 34.424  | ng    | # 92     |
| 3) Pyridine                   | 4.063  | 79   | 117048   | 28.669  | ng    | # 94     |
| 4) n-Nitrosodimethylamine     | 3.969  | 42   | 31257    | 37.636  | ng    | # 94     |
| 6) Aniline                    | 7.630  | 93   | 131948   | 22.325  | ng    | 96       |
| 8) 2-Chlorophenol             | 7.877  | 128  | 139985   | 47.934  | ng    | 93       |
| 10) Phenol                    | 7.477  | 94   | 202558   | 44.317  | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 7.718  | 93   | 128126   | 41.365  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 8.206  | 146  | 158909   | 44.709  | ng    | 93       |
| 13) 1,4-Dichlorobenzene       | 8.352  | 146  | 157890   | 44.237  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.676  | 146  | 153091   | 44.453  | ng    | 98       |
| 15) Benzyl Alcohol            | 8.546  | 79   | 133046   | 40.561  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.834  | 45   | 25677    | 46.911  | ng    | # 82     |
| 17) 2-Methylphenol            | 8.746  | 107  | 135836   | 40.502  | ng    | 96       |
| 18) Hexachloroethane          | 9.416  | 117  | 49010    | 45.201  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 9.116  | 70   | 100539   | 36.685  | ng    | 99       |
| 20) 3+4-Methylphenols         | 9.075  | 107  | 185535   | 39.348  | ng    | 98       |
| 22) Acetophenone              | 9.140  | 105  | 225177   | 40.532  | ng    | # 98     |
| 24) Nitrobenzene              | 9.533  | 77   | 153240   | 40.256  | ng    | 99       |
| 25) Isophorone                | 10.050 | 82   | 296264   | 36.658  | ng    | 98       |
| 26) 2-Nitrophenol             | 10.250 | 139  | 82980    | 42.605  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 10.291 | 122  | 150581   | 42.389  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 10.532 | 93   | 173894   | 41.398  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.785 | 162  | 174218   | 44.360  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 11.008 | 180  | 191230   | 42.908  | ng    | 96       |
| 31) Naphthalene               | 11.202 | 128  | 424056   | 41.009  | ng    | 99       |
| 32) Benzoic acid              | 10.426 | 122  | 101579   | 38.539  | ng    | 93       |
| 33) 4-Chloroaniline           | 11.296 | 127  | 77063    | 15.609  | ng    | 96       |
| 34) Hexachlorobutadiene       | 11.478 | 225  | 140195   | 43.737  | ng    | 98       |
| 35) Caprolactam               | 12.060 | 113  | 52560m   | 39.528  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.389 | 107  | 165406   | 41.505  | ng    | 97       |
| 37) 2-Methylnaphthalene       | 12.783 | 142  | 337271   | 38.628  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 12.994 | 142  | 314580   | 38.799  | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 13.141 | 216  | 260087   | 42.979  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 13.117 | 237  | 341488   | 98.979  | ng    | 95       |
| 43) 2,4,6-Trichlorophenol     | 13.370 | 196  | 170737   | 42.668  | ng    | 95       |
| 44) 2,4,5-Trichlorophenol     | 13.446 | 196  | 184391   | 38.954  | ng    | 98       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 46) 1,1'-Biphenyl             | 13.770 | 154  | 491049   | 42.466 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.817 | 162  | 390098   | 42.741 | ng    | 97       |
| 48) 2-Nitroaniline            | 14.011 | 65   | 82443    | 42.395 | ng    | 98       |
| 49) Acenaphthylene            | 14.657 | 152  | 604030   | 40.668 | ng    | 99       |
| 50) Dimethylphthalate         | 14.369 | 163  | 522305   | 40.072 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.492 | 165  | 112957   | 40.671 | ng    | 99       |
| 52) Acenaphthene              | 14.992 | 154  | 454141m  | 47.012 | ng    |          |
| 53) 3-Nitroaniline            | 14.821 | 138  | 61968    | 23.444 | ng    | 96       |
| 54) 2,4-Dinitrophenol         | 15.033 | 184  | 175994   | 88.703 | ng    | 98       |
| 55) Dibenzofuran              | 15.327 | 168  | 649811   | 40.650 | ng    | 97       |
| 56) 4-Nitrophenol             | 15.115 | 139  | 174243   | 85.713 | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 15.280 | 165  | 162621   | 41.868 | ng    | 91       |
| 58) Fluorene                  | 15.973 | 166  | 521470   | 40.558 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.544 | 232  | 184672   | 41.551 | ng    | 95       |
| 60) Diethylphthalate          | 15.720 | 149  | 488831   | 39.991 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.949 | 204  | 324691   | 40.466 | ng    | 99       |
| 62) 4-Nitroaniline            | 15.985 | 138  | 105697   | 39.038 | ng    | 97       |
| 63) Azobenzene                | 16.243 | 77   | 381341   | 40.428 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 16.038 | 198  | 118667   | 43.051 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 16.167 | 169  | 485926   | 42.808 | ng    | 96       |
| 67) 4-Bromophenyl-phenylether | 16.842 | 248  | 219941   | 42.217 | ng    | 96       |
| 68) Hexachlorobenzene         | 16.972 | 284  | 220682   | 45.402 | ng    | 99       |
| 69) Atrazine                  | 17.095 | 200  | 146575   | 31.157 | ng    | 98       |
| 70) Pentachlorophenol         | 17.313 | 266  | 288068   | 77.153 | ng    | 99       |
| 71) Phenanthrene              | 17.706 | 178  | 894969   | 42.212 | ng    | 98       |
| 72) Anthracene                | 17.800 | 178  | 912284   | 41.712 | ng    | 100      |
| 73) Carbazole                 | 18.065 | 167  | 783702   | 42.629 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.593 | 149  | 795421   | 43.403 | ng    | 100      |
| 75) Fluoranthene              | 19.698 | 202  | 1142406  | 41.307 | ng    | 98       |
| 77) Benzidine                 | 19.862 | 184  | 251879   | 17.417 | ng    | 99       |
| 78) Pyrene                    | 20.056 | 202  | 1148787  | 39.495 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.920 | 149  | 341541   | 40.929 | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.942 | 228  | 1159067  | 39.989 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.843 | 252  | 346305   | 33.190 | ng    | 98       |
| 83) Chrysene                  | 22.013 | 228  | 1086539  | 40.020 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.807 | 149  | 499617   | 41.558 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 23.088 | 149  | 851185   | 41.939 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 29.363 | 276  | 1357870  | 45.945 | ng    | # 97     |
| 88) Benzo(b)fluoranthene      | 24.304 | 252  | 1248483  | 48.354 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 24.381 | 252  | 1196495  | 46.536 | ng    | 100      |
| 90) Benzo(a)pyrene            | 25.239 | 252  | 1086207  | 43.132 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 29.439 | 278  | 1167334  | 47.112 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 30.620 | 276  | 1124975  | 46.819 | ng    | 97       |

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

