

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG042522\  
 Data File : BG053307.D  
 Acq On : 25 Apr 2022 13:42  
 Operator : CG/JU  
 Sample : PB144314BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB144314BS

Manual Integrations  
 APPROVED

Reviewed By :Christian  
 Giraldo

Quant Time: Apr 25 18:25:55 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG040822.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Apr 24 01:13:30 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.110  | 152  | 25473    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.918 | 136  | 110832   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.730 | 164  | 90064    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.474 | 188  | 219244   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.762 | 240  | 202589   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.058 | 264  | 197064   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.672  | 112  | 199655   | 134.356 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.270  | 99   | 294955   | 128.712 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.267  | 82   | 204485   | 74.913  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.223 | 330  | 166245   | 116.021 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.356 | 172  | 476596   | 72.968  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.076 | 244  | 973816   | 81.183  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
| 2) 1,4-Dioxane                | 3.546  | 88   | 19100    | 26.914  | ng    | # 90     |
| 3) Pyridine                   | 3.951  | 79   | 43923    | 23.467  | ng    | # 91     |
| 4) n-Nitrosodimethylamine     | 3.857  | 42   | 36464    | 39.341  | ng    | 92       |
| 6) Aniline                    | 7.423  | 93   | 99239    | 37.367  | ng    | 98       |
| 8) 2-Chlorophenol             | 7.675  | 128  | 78595    | 48.991  | ng    | 97       |
| 9) Benzaldehyde               | 7.235  | 77   | 47430m   | 34.626  | ng    |          |
| 10) Phenol                    | 7.299  | 94   | 108761   | 47.681  | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 7.517  | 93   | 73973    | 44.988  | ng    | 90       |
| 12) 1,3-Dichlorobenzene       | 7.993  | 146  | 77591    | 41.622  | ng    | 94       |
| 13) 1,4-Dichlorobenzene       | 8.139  | 146  | 79584    | 41.875  | ng    | 93       |
| 14) 1,2-Dichlorobenzene       | 8.462  | 146  | 78257    | 42.700  | ng    | 97       |
| 15) Benzyl Alcohol            | 8.345  | 79   | 89179    | 43.782  | ng    | 94       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.633  | 45   | 117303   | 42.730  | ng    | 99       |
| 17) 2-Methylphenol            | 8.551  | 107  | 73007    | 47.297  | ng    | 97       |
| 18) Hexachloroethane          | 9.191  | 117  | 29110    | 40.845  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 8.909  | 70   | 73054    | 43.544  | ng    | 97       |
| 20) 3+4-Methylphenols         | 8.874  | 107  | 100012   | 45.898  | ng    | 97       |
| 22) Acetophenone              | 8.927  | 105  | 130415   | 42.414  | ng    | # 96     |
| 24) Nitrobenzene              | 9.308  | 77   | 109066   | 41.079  | ng    | 91       |
| 25) Isophorone                | 9.831  | 82   | 194344   | 41.889  | ng    | 99       |
| 26) 2-Nitrophenol             | 10.025 | 139  | 45527    | 41.007  | ng    | 93       |
| 27) 2,4-Dimethylphenol        | 10.084 | 122  | 78021    | 49.069  | ng    | 90       |
| 28) bis(2-Chloroethoxy)met... | 10.307 | 93   | 104761   | 40.192  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.566 | 162  | 88332    | 44.190  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 10.783 | 180  | 89248    | 39.449  | ng    | 95       |
| 31) Naphthalene               | 10.971 | 128  | 247903   | 41.924  | ng    | 100      |
| 32) Benzoic acid              | 10.248 | 122  | 37137m   | 36.803  | ng    |          |
| 33) 4-Chloroaniline           | 11.071 | 127  | 79300    | 31.317  | ng    | 97       |
| 34) Hexachlorobutadiene       | 11.253 | 225  | 63272    | 37.650  | ng    | 98       |
| 35) Caprolactam               | 11.840 | 113  | 31072m   | 44.100  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.193 | 107  | 101921   | 43.797  | ng    | 95       |
| 37) 2-Methylnaphthalene       | 12.569 | 142  | 190319   | 43.497  | ng    | 94       |
| 38) 1-Methylnaphthalene       | 12.786 | 142  | 177750m  | 41.619  | ng    |          |
| 40) 1,2,4,5-Tetrachloroben... | 12.933 | 216  | 119580   | 39.092  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.915 | 237  | 110049   | 69.693  | ng    | 92       |
| 43) 2,4,6-Trichlorophenol     | 13.174 | 196  | 81167    | 38.486  | ng    | 97       |

04/26/2022  
 Supervised By :Jagrut  
 Padhyay

04/26/2022

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|-------------------------------|--------|------|----------|--------|-------|----------|--------------------------------|
| 44) 2,4,5-Trichlorophenol     | 13.250 | 196  | 89833    | 39.972 | ng    | 99       | 04/26/2022                     |
| 46) 1,1'-Biphenyl             | 13.567 | 154  | 262794   | 40.518 | ng    | 98       | Supervised By :Jagrut Upadhyay |
| 47) 2-Chloronaphthalene       | 13.614 | 162  | 201323   | 38.906 | ng    | 96       |                                |
| 48) 2-Nitroaniline            | 13.808 | 65   | 81909    | 41.711 | ng    | 89       |                                |
| 49) Acenaphthylene            | 14.454 | 152  | 338222   | 41.755 | ng    | 99       |                                |
| 50) Dimethylphthalate         | 14.178 | 163  | 290483   | 40.324 | ng    | 98       |                                |
| 51) 2,6-Dinitrotoluene        | 14.302 | 165  | 62309    | 41.461 | ng    | 88       | 04/26/2022                     |
| 52) Acenaphthene              | 14.795 | 154  | 251445m  | 45.774 | ng    |          |                                |
| 53) 3-Nitroaniline            | 14.631 | 138  | 51864    | 32.638 | ng    | 86       |                                |
| 54) 2,4-Dinitrophenol         | 14.842 | 184  | 75917    | 79.393 | ng    | # 86     |                                |
| 55) Dibenzofuran              | 15.130 | 168  | 336606   | 39.134 | ng    | 96       |                                |
| 56) 4-Nitrophenol             | 14.948 | 139  | 100626   | 83.028 | ng    | # 79     |                                |
| 57) 2,4-Dinitrotoluene        | 15.089 | 165  | 93284    | 43.600 | ng    | 87       |                                |
| 58) Fluorene                  | 15.776 | 166  | 285403   | 41.082 | ng    | 99       |                                |
| 59) 2,3,4,6-Tetrachlorophenol | 15.359 | 232  | 86215    | 39.503 | ng    | 99       |                                |
| 60) Diethylphthalate          | 15.535 | 149  | 308604   | 40.888 | ng    | 99       |                                |
| 61) 4-Chlorophenyl-phenyle... | 15.764 | 204  | 153258   | 38.917 | ng    | 96       |                                |
| 62) 4-Nitroaniline            | 15.794 | 138  | 68469    | 40.832 | ng    | # 84     |                                |
| 63) Azobenzene                | 16.058 | 77   | 303921   | 39.939 | ng    | 99       |                                |
| 65) 4,6-Dinitro-2-methylph... | 15.858 | 198  | 58131    | 38.004 | ng    | 98       |                                |
| 66) n-Nitrosodiphenylamine    | 15.976 | 169  | 258315   | 40.972 | ng    | 97       |                                |
| 67) 4-Bromophenyl-phenylether | 16.657 | 248  | 112118   | 39.910 | ng    | 98       |                                |
| 68) Hexachlorobenzene         | 16.787 | 284  | 124250   | 40.840 | ng    | 95       |                                |
| 69) Atrazine                  | 16.922 | 200  | 116561   | 47.329 | ng    | 97       |                                |
| 70) Pentachlorophenol         | 17.133 | 266  | 135261   | 81.350 | ng    | 95       |                                |
| 71) Phenanthrene              | 17.521 | 178  | 500922   | 41.829 | ng    | 99       |                                |
| 72) Anthracene                | 17.609 | 178  | 511545   | 43.117 | ng    | 99       |                                |
| 73) Carbazole                 | 17.879 | 167  | 475189   | 41.204 | ng    | 99       |                                |
| 74) Di-n-butylphthalate       | 18.425 | 149  | 555027   | 42.435 | ng    | 98       |                                |
| 75) Fluoranthene              | 19.524 | 202  | 634059   | 41.305 | ng    | 99       |                                |
| 77) Benzidine                 | 19.694 | 184  | 257488   | 44.547 | ng    | 99       |                                |
| 78) Pyrene                    | 19.888 | 202  | 625624   | 43.361 | ng    | 99       |                                |
| 80) Butylbenzylphthalate      | 20.758 | 149  | 225838   | 41.984 | ng    | 98       |                                |
| 81) Benzo(a)anthracene        | 21.739 | 228  | 567193   | 40.948 | ng    | 98       |                                |
| 82) 3,3'-Dichlorobenzidine    | 21.651 | 252  | 153622   | 30.157 | ng    | 99       |                                |
| 83) Chrysene                  | 21.809 | 228  | 546507   | 42.512 | ng    | 99       |                                |
| 84) Bis(2-ethylhexyl)phtha... | 21.627 | 149  | 310147   | 42.655 | ng    | 99       |                                |
| 85) Di-n-octyl phthalate      | 22.861 | 149  | 515211   | 42.368 | ng    | 96       |                                |
| 87) Indeno(1,2,3-cd)pyrene    | 28.841 | 276  | 638011   | 43.578 | ng    | # 97     |                                |
| 88) Benzo(b)fluoranthene      | 24.006 | 252  | 582671   | 46.863 | ng    | 98       |                                |
| 89) Benzo(k)fluoranthene      | 24.083 | 252  | 533215   | 43.635 | ng    | 99       |                                |
| 90) Benzo(a)pyrene            | 24.905 | 252  | 546644   | 51.608 | ng    | 96       |                                |
| 91) Dibenzo(a,h)anthracene    | 28.894 | 278  | 550380   | 45.674 | ng    | 99       |                                |
| 92) Benzo(g,h,i)perylene      | 30.027 | 276  | 535821   | 45.114 | ng    | 98       |                                |

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

