

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG082622\  
 Data File : BG054752.D  
 Acq On : 26 Aug 2022 12:17  
 Operator : CG/JU  
 Sample : PB147143BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB147143BSD

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 08/29/2022  
 Supervised By : Jagrut Upadhyay 08/29/2022

Quant Time: Aug 27 02:09:24 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG082522.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 25 17:50:55 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.147  | 152  | 53782    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.979 | 136  | 220798   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.786 | 164  | 144303   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.530 | 188  | 321089   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.825 | 240  | 301249   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 25.192 | 264  | 321600   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.685  | 112  | 464506   | 150.398 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.295  | 99   | 596228   | 141.160 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.322  | 82   | 362968   | 86.298  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.273 | 330  | 242799   | 134.652 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.411 | 172  | 803465   | 83.686  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.133 | 244  | 1337173  | 87.949  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.529  | 88   | 52286    | 35.453  | ng    | 99       |
| 3) Pyridine                   | 3.934  | 79   | 144448   | 35.115  | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.852  | 42   | 81353    | 45.751  | ng    | 98       |
| 6) Aniline                    | 7.465  | 93   | 242212   | 48.265  | ng    | 99       |
| 8) 2-Chlorophenol             | 7.706  | 128  | 173232   | 51.338  | ng    | 98       |
| 9) Benzaldehyde               | 7.277  | 77   | 100534   | 36.316  | ng    | 97       |
| 10) Phenol                    | 7.324  | 94   | 213520   | 49.156  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.559  | 93   | 165365   | 47.336  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 8.035  | 146  | 184341   | 47.207  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 8.182  | 146  | 186228   | 47.280  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.505  | 146  | 180204   | 48.249  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.388  | 79   | 148727m  | 48.740  | ng    |          |
| 16) 2,2'-oxybis(1-Chloropr... | 8.676  | 45   | 256988   | 47.013  | ng    | 98       |
| 17) 2-Methylphenol            | 8.582  | 107  | 146430   | 48.962  | ng    | 98       |
| 18) Hexachloroethane          | 9.240  | 117  | 66839    | 46.796  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 8.958  | 70   | 131270   | 45.194  | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.917  | 107  | 197390   | 47.597  | ng    | 97       |
| 22) Acetophenone              | 8.975  | 105  | 253589   | 45.907  | ng    | 99       |
| 24) Nitrobenzene              | 9.363  | 77   | 187306   | 44.183  | ng    | 98       |
| 25) Isophorone                | 9.886  | 82   | 360412   | 45.957  | ng    | 99       |
| 26) 2-Nitrophenol             | 10.080 | 139  | 90449    | 48.301  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 10.127 | 122  | 158340   | 53.367  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 10.368 | 93   | 219738   | 49.172  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.615 | 162  | 159758   | 47.339  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 10.832 | 180  | 171757   | 44.536  | ng    | 99       |
| 31) Naphthalene               | 11.026 | 128  | 518906   | 43.803  | ng    | 99       |
| 32) Benzoic acid              | 10.262 | 122  | 80059    | 39.454  | ng    | 96       |
| 33) 4-Chloroaniline           | 11.132 | 127  | 185767   | 38.465  | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.302 | 225  | 110355   | 44.661  | ng    | 99       |
| 35) Caprolactam               | 11.901 | 113  | 55032m   | 46.222  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.236 | 107  | 173941   | 47.133  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 12.624 | 142  | 362287   | 43.634  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.841 | 142  | 342151   | 42.355  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.982 | 216  | 194017   | 44.602  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.959 | 237  | 266812   | 115.658 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 13.217 | 196  | 131281   | 45.469  | ng    | 99       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.288 | 196  | 142877   | 44.064 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.623 | 154  | 478112   | 44.617 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 13.670 | 162  | 353538   | 43.441 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.864 | 65   | 115355   | 45.228 | ng    | 98       |
| 49) Acenaphthylene            | 14.510 | 152  | 584456   | 43.519 | ng    | 100      |
| 50) Dimethylphthalate         | 14.234 | 163  | 474459   | 42.678 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.357 | 165  | 103736   | 45.620 | ng    | 88       |
| 52) Acenaphthene              | 14.851 | 154  | 409504m  | 47.470 | ng    |          |
| 53) 3-Nitroaniline            | 14.686 | 138  | 97871    | 38.448 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 14.886 | 184  | 111210   | 86.102 | ng    | 95       |
| 55) Dibenzofuran              | 15.180 | 168  | 548974   | 43.308 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.980 | 139  | 188934   | 95.911 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 15.139 | 165  | 145050   | 46.117 | ng    | 90       |
| 58) Fluorene                  | 15.832 | 166  | 457730   | 42.863 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.403 | 232  | 125348   | 42.884 | ng    | 98       |
| 60) Diethylphthalate          | 15.591 | 149  | 471764   | 42.496 | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 15.814 | 204  | 234895   | 44.589 | ng    | 100      |
| 62) 4-Nitroaniline            | 15.850 | 138  | 112247   | 43.190 | ng    | 98       |
| 63) Azobenzene                | 16.108 | 77   | 444848   | 42.165 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.897 | 198  | 75057    | 45.923 | ng    | 97       |
| 66) n-Nitrosodiphenylamine    | 16.032 | 169  | 411856   | 44.479 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.713 | 248  | 159545   | 45.257 | ng    | 99       |
| 68) Hexachlorobenzene         | 16.831 | 284  | 177107   | 44.690 | ng    | 97       |
| 69) Atrazine                  | 16.972 | 200  | 153512   | 46.993 | ng    | 100      |
| 70) Pentachlorophenol         | 17.172 | 266  | 206745   | 96.015 | ng    | 98       |
| 71) Phenanthrene              | 17.571 | 178  | 736529   | 43.060 | ng    | 100      |
| 72) Anthracene                | 17.665 | 178  | 747842   | 44.970 | ng    | 99       |
| 73) Carbazole                 | 17.930 | 167  | 698807   | 45.609 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.476 | 149  | 841491   | 43.402 | ng    | 99       |
| 75) Fluoranthene              | 19.575 | 202  | 908251   | 43.650 | ng    | 99       |
| 77) Benzidine                 | 19.757 | 184  | 675690   | 90.556 | ng    | 98       |
| 78) Pyrene                    | 19.939 | 202  | 910203   | 43.331 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.814 | 149  | 381351   | 43.524 | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.802 | 228  | 881817   | 43.172 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.713 | 252  | 304832   | 42.566 | ng    | 100      |
| 83) Chrysene                  | 21.872 | 228  | 839208   | 42.971 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.690 | 149  | 556734   | 44.102 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.953 | 149  | 939631   | 43.892 | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.064 | 276  | 1056084  | 43.256 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 24.116 | 252  | 949293   | 47.055 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 24.187 | 252  | 916811   | 45.155 | ng    | 99       |
| 90) Benzo(a)pyrene            | 25.033 | 252  | 835197   | 48.456 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 29.140 | 278  | 902808   | 45.389 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 30.286 | 276  | 907409   | 45.158 | ng    | 99       |

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

