

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG041621\  
 Data File : BG048723.D  
 Acq On : 16 Apr 2021 13:36  
 Operator : CG/JU  
 Sample : PB135722BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB135722BS

Manual Integrations  
 APPROVED

mohammad  
 4/19/2021 11:44:15 AM

Quant Time: Apr 16 14:43:07 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG041421.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 16 12:19:56 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.086  | 152  | 21616    | 20.00  | ng    | # 0.00   |
| 21) Naphthalene-d8            | 10.912 | 136  | 90722    | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.742 | 164  | 65158    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.498 | 188  | 154208   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.805 | 240  | 137035   | 20.00  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.148 | 264  | 141289   | 20.00  | ng    | # 0.00   |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.630  | 112  | 176563   | 136.61 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.245  | 99   | 226811   | 124.07 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.261  | 82   | 170117   | 83.95  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.241 | 330  | 109119   | 124.90 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.362 | 172  | 380654   | 84.37  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.113 | 244  | 690984   | 86.79  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.479  | 88   | 15776    | 31.15  | ng    | 95       |
| 3) Pyridine                   | 3.890  | 79   | 45828    | 34.72  | ng    | 86       |
| 4) n-Nitrosodimethylamine     | 3.802  | 42   | 41524    | 41.20  | ng    | 95       |
| 6) Aniline                    | 7.404  | 93   | 80712    | 39.34  | ng    | 92       |
| 8) 2-Chlorophenol             | 7.651  | 128  | 66265    | 48.33  | ng    | 95       |
| 9) Benzaldehyde               | 7.216  | 77   | 42045    | 34.71  | ng    | 91       |
| 10) Phenol                    | 7.275  | 94   | 85163    | 47.38  | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 7.498  | 93   | 55963    | 46.19  | ng    | 92       |
| 12) 1,3-Dichlorobenzene       | 7.974  | 146  | 70395    | 44.65  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 8.121  | 146  | 71982    | 44.81  | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 8.444  | 146  | 69494    | 46.88  | ng    | 95       |
| 15) Benzyl Alcohol            | 8.326  | 79   | 74169    | 46.04  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.608  | 45   | 62433    | 47.54  | ng    | 96       |
| 17) 2-Methylphenol            | 8.532  | 107  | 57524    | 50.12  | ng    | 91       |
| 18) Hexachloroethane          | 9.178  | 117  | 26827    | 42.51  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 8.896  | 70   | 56970    | 46.19  | ng    | # 94     |
| 20) 3+4-Methylphenols         | 8.861  | 107  | 78252    | 49.42  | ng    | 98       |
| 22) Acetophenone              | 8.914  | 105  | 102847   | 43.55  | ng    | # 96     |
| 24) Nitrobenzene              | 9.302  | 77   | 84198    | 41.66  | ng    | # 89     |
| 25) Isophorone                | 9.825  | 82   | 152979   | 42.69  | ng    | 96       |
| 26) 2-Nitrophenol             | 10.019 | 139  | 38919    | 44.49  | ng    | 90       |
| 27) 2,4-Dimethylphenol        | 10.077 | 122  | 68391    | 50.85  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 10.306 | 93   | 78773    | 50.46  | ng    | 94       |
| 29) 2,4-Dichlorophenol        | 10.559 | 162  | 69802    | 46.02  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.771 | 180  | 75519    | 42.94  | ng    | 97       |
| 31) Naphthalene               | 10.965 | 128  | 201527   | 43.29  | ng    | 97       |
| 32) Benzoic acid              | 10.230 | 122  | 27923    | 35.44  | ng    | # 88     |
| 33) 4-Chloroaniline           | 11.076 | 127  | 40039    | 20.67  | ng    | # 89     |
| 34) Hexachlorobutadiene       | 11.247 | 225  | 53926    | 41.30  | ng    | 90       |
| 35) Caprolactam               | 11.852 | 113  | 25178m   | 48.85  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.204 | 107  | 82882    | 48.25  | ng    | # 92     |
| 37) 2-Methylnaphthalene       | 12.569 | 142  | 162529   | 43.69  | ng    | 95       |
| 38) 1-Methylnaphthalene       | 12.792 | 142  | 152186   | 43.97  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.939 | 216  | 93712    | 44.19  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.915 | 237  | 96503    | 83.18  | ng    | 94       |
| 43) 2,4,6-Trichlorophenol     | 13.174 | 196  | 61795    | 43.66  | ng    | 95       |

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| 44) 2,4,5-Trichlorophenol     | 13.256 | 196  | 68310    | 45.45 | ng    | 89       |
| 46) 1,1'-Biphenyl             | 13.573 | 154  | 215647   | 44.81 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 13.620 | 162  | 163435   | 44.45 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.826 | 65   | 60397    | 45.72 | ng    | 89       |
| 49) Acenaphthylene            | 14.466 | 152  | 274120   | 47.79 | ng    | 97       |
| 50) Dimethylphthalate         | 14.190 | 163  | 228819   | 46.82 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.314 | 165  | 49899    | 44.25 | ng    | 94       |
| 52) Acenaphthene              | 14.807 | 154  | 168039   | 46.13 | ng    | 96       |
| 53) 3-Nitroaniline            | 14.648 | 138  | 31330    | 28.94 | ng    | 90       |
| 54) 2,4-Dinitrophenol         | 14.860 | 184  | 52932    | 78.32 | ng    | 97       |
| 55) Dibenzofuran              | 15.142 | 168  | 264216   | 43.82 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.972 | 139  | 77958    | 97.21 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 15.107 | 165  | 75604    | 46.17 | ng    | 96       |
| 58) Fluorene                  | 15.794 | 166  | 219951   | 44.42 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.371 | 232  | 60472    | 43.48 | ng    | 98       |
| 60) Diethylphthalate          | 15.553 | 149  | 239461   | 47.36 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 15.782 | 204  | 125002   | 45.90 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.818 | 138  | 50647    | 43.76 | ng    | 98       |
| 63) Azobenzene                | 16.076 | 77   | 220923   | 43.39 | ng    | 94       |
| 65) 4,6-Dinitro-2-methylph... | 15.871 | 198  | 42058    | 40.74 | ng    | 93       |
| 66) n-Nitrosodiphenylamine    | 16.000 | 169  | 198933   | 45.64 | ng    | 96       |
| 67) 4-Bromophenyl-phenylether | 16.681 | 248  | 81278    | 45.79 | ng    | 95       |
| 68) Hexachlorobenzene         | 16.805 | 284  | 84420    | 46.96 | ng    | 96       |
| 69) Atrazine                  | 16.946 | 200  | 90769    | 50.08 | ng    | 97       |
| 70) Pentachlorophenol         | 17.151 | 266  | 89041    | 92.95 | ng    | 94       |
| 71) Phenanthrene              | 17.545 | 178  | 369359   | 46.15 | ng    | 96       |
| 72) Anthracene                | 17.633 | 178  | 376548   | 47.55 | ng    | 99       |
| 73) Carbazole                 | 17.903 | 167  | 339243   | 44.72 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.456 | 149  | 421082   | 49.51 | ng    | 99       |
| 75) Fluoranthene              | 19.554 | 202  | 459901   | 45.44 | ng    | 99       |
| 77) Benzidine                 | 19.731 | 184  | 213401   | 57.34 | ng    | 98       |
| 78) Pyrene                    | 19.919 | 202  | 453461   | 47.83 | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.794 | 149  | 174137   | 46.97 | ng    | 97       |
| 81) Benzo(a)anthracene        | 21.781 | 228  | 428903   | 45.80 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.693 | 252  | 104754   | 32.62 | ng    | 95       |
| 83) Chrysene                  | 21.852 | 228  | 398361   | 44.66 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.670 | 149  | 243748   | 46.96 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 22.927 | 149  | 411181   | 46.54 | ng    | 100      |
| 87) Indeno(1,2,3-cd)pyrene    | 29.002 | 276  | 474538   | 45.73 | ng    | # 97     |
| 88) Benzo(b)fluoranthene      | 24.084 | 252  | 430246   | 44.89 | ng    | 96       |
| 89) Benzo(k)fluoranthene      | 24.155 | 252  | 398154   | 44.17 | ng    | 98       |
| 90) Benzo(a)pyrene            | 24.989 | 252  | 371949   | 42.12 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 29.061 | 278  | 394957   | 44.38 | ng    | # 95     |
| 92) Benzo(g,h,i)perylene      | 30.207 | 276  | 395378   | 45.00 | ng    | 100      |

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

