

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG101421\  
 Data File : BG050584.D  
 Acq On : 14 Oct 2021 12:01  
 Operator : CG/JU  
 Sample : PB139786BSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB139786BSD

Manual Integrations  
 APPROVED

mohammad  
 10/18/2021 8:35:25 AM

Quant Time: Oct 14 13:34:15 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG100621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 14 10:56:22 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.258  | 152  | 44592    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.084 | 136  | 187099   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.880 | 164  | 125620   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.624 | 188  | 280611   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.925 | 240  | 237793   | 20.00  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.338 | 264  | 239611   | 20.00  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.796  | 112  | 415089   | 139.21 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.400  | 99   | 555370   | 128.65 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.433  | 82   | 387802   | 85.80  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.366 | 330  | 159551   | 133.16 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.505 | 172  | 704387   | 84.39  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.209 | 244  | 1104563  | 90.52  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.652  | 88   | 47107    | 30.50  | ng    | # 85     |
| 3) Pyridine                   | 4.063  | 79   | 117239   | 27.79  | ng    | # 94     |
| 4) n-Nitrosodimethylamine     | 3.975  | 42   | 85760    | 43.14  | ng    | # 52     |
| 6) Aniline                    | 7.577  | 93   | 221403   | 44.14  | ng    | # 93     |
| 8) 2-Chlorophenol             | 7.818  | 128  | 143289   | 49.91  | ng    | 86       |
| 9) Benzaldehyde               | 7.389  | 77   | 114987   | 42.57  | ng    | 92       |
| 10) Phenol                    | 7.430  | 94   | 200780   | 47.83  | ng    | 86       |
| 11) bis(2-Chloroethyl)ether   | 7.665  | 93   | 144218   | 44.02  | ng    | 87       |
| 12) 1,3-Dichlorobenzene       | 8.147  | 146  | 143999   | 43.45  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 8.294  | 146  | 142907   | 42.77  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.617  | 146  | 143552   | 44.98  | ng    | 95       |
| 15) Benzyl Alcohol            | 8.493  | 79   | 161960   | 47.48  | ng    | 93       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.775  | 45   | 238540   | 44.65  | ng    | 86       |
| 17) 2-Methylphenol            | 8.693  | 107  | 137260   | 49.70  | ng    | 91       |
| 18) Hexachloroethane          | 9.351  | 117  | 57000    | 45.08  | ng    | 91       |
| 19) n-Nitroso-di-n-propyla... | 9.063  | 70   | 138935   | 44.16  | ng    | # 87     |
| 20) 3+4-Methylphenols         | 9.022  | 107  | 184299   | 47.41  | ng    | 95       |
| 22) Acetophenone              | 9.087  | 105  | 228581   | 42.97  | ng    | 97       |
| 24) Nitrobenzene              | 9.475  | 77   | 201621   | 44.86  | ng    | 97       |
| 25) Isophorone                | 9.997  | 82   | 354123   | 44.17  | ng    | # 96     |
| 26) 2-Nitrophenol             | 10.191 | 139  | 79712    | 48.31  | ng    | # 92     |
| 27) 2,4-Dimethylphenol        | 10.232 | 122  | 146923   | 51.53  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 10.473 | 93   | 197440   | 43.07  | ng    | 93       |
| 29) 2,4-Dichlorophenol        | 10.720 | 162  | 138373   | 47.62  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.937 | 180  | 140225   | 42.48  | ng    | 97       |
| 31) Naphthalene               | 11.137 | 128  | 439602   | 43.90  | ng    | 98       |
| 32) Benzoic acid              | 10.368 | 122  | 86696    | 40.97  | ng    | # 76     |
| 33) 4-Chloroaniline           | 11.237 | 127  | 148067   | 35.24  | ng    | 97       |
| 34) Hexachlorobutadiene       | 11.408 | 225  | 86252    | 41.62  | ng    | 97       |
| 35) Caprolactam               | 12.007 | 113  | 54870m   | 49.34  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.336 | 107  | 170568   | 46.96  | ng    | # 89     |
| 37) 2-Methylnaphthalene       | 12.724 | 142  | 312913   | 45.28  | ng    | 92       |
| 38) 1-Methylnaphthalene       | 12.941 | 142  | 290884   | 43.41  | ng    | 93       |
| 40) 1,2,4,5-Tetrachloroben... | 13.082 | 216  | 153826   | 41.47  | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 13.059 | 237  | 205200   | 95.71  | ng    | 94       |
| 43) 2,4,6-Trichlorophenol     | 13.317 | 196  | 114480   | 43.79  | ng    | 94       |

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|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.388 | 196  | 125764   | 46.02 | ng    | 90       |
| 46) 1,1'-Biphenyl             | 13.717 | 154  | 386906   | 42.23 | ng    | 95       |
| 47) 2-Chloronaphthalene       | 13.764 | 162  | 309638   | 44.01 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.957 | 65   | 134574   | 48.08 | ng    | 98       |
| 49) Acenaphthylene            | 14.604 | 152  | 514269   | 44.61 | ng    | 97       |
| 50) Dimethylphthalate         | 14.322 | 163  | 420695   | 44.31 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.445 | 165  | 92777    | 48.78 | ng    | 94       |
| 52) Acenaphthene              | 14.945 | 154  | 365281m  | 49.31 | ng    |          |
| 53) 3-Nitroaniline            | 14.780 | 138  | 86537    | 38.47 | ng    | 95       |
| 54) 2,4-Dinitrophenol         | 14.986 | 184  | 104894   | 88.91 | ng    | 86       |
| 55) Dibenzofuran              | 15.274 | 168  | 485508   | 42.38 | ng    | 98       |
| 56) 4-Nitrophenol             | 15.080 | 139  | 166187   | 91.84 | ng    | # 81     |
| 57) 2,4-Dinitrotoluene        | 15.232 | 165  | 131107   | 48.91 | ng    | 94       |
| 58) Fluorene                  | 15.920 | 166  | 390637   | 44.39 | ng    | 96       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.491 | 232  | 105559   | 44.34 | ng    | 95       |
| 60) Diethylphthalate          | 15.673 | 149  | 449434   | 45.05 | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 15.908 | 204  | 208261   | 43.25 | ng    | 98       |
| 62) 4-Nitroaniline            | 15.943 | 138  | 104227   | 44.53 | ng    | # 68     |
| 63) Azobenzene                | 16.202 | 77   | 495785   | 42.93 | ng    | 83       |
| 65) 4,6-Dinitro-2-methylph... | 15.990 | 198  | 71906    | 42.66 | ng    | 88       |
| 66) n-Nitrosodiphenylamine    | 16.120 | 169  | 353185   | 44.30 | ng    | 96       |
| 67) 4-Bromophenyl-phenylether | 16.801 | 248  | 124639   | 44.08 | ng    | 98       |
| 68) Hexachlorobenzene         | 16.919 | 284  | 127482   | 45.36 | ng    | # 90     |
| 69) Atrazine                  | 17.060 | 200  | 147866   | 47.08 | ng    | 99       |
| 70) Pentachlorophenol         | 17.265 | 266  | 160452   | 83.87 | ng    | 96       |
| 71) Phenanthrene              | 17.665 | 178  | 652900   | 44.15 | ng    | 98       |
| 72) Anthracene                | 17.753 | 178  | 666058   | 45.33 | ng    | 99       |
| 73) Carbazole                 | 18.023 | 167  | 617081   | 42.14 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.558 | 149  | 773462   | 45.00 | ng    | 97       |
| 75) Fluoranthene              | 19.663 | 202  | 790739   | 43.50 | ng    | 96       |
| 77) Benzidine                 | 19.833 | 184  | 476695   | 61.85 | ng    | 97       |
| 78) Pyrene                    | 20.021 | 202  | 776511   | 46.03 | ng    | 97       |
| 80) Butylbenzylphthalate      | 20.891 | 149  | 335968   | 47.08 | ng    | 96       |
| 81) Benzo(a)anthracene        | 21.901 | 228  | 702469   | 44.65 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.807 | 252  | 216039   | 41.43 | ng    | # 97     |
| 83) Chrysene                  | 21.972 | 228  | 670908   | 45.33 | ng    | 96       |
| 84) Bis(2-ethylhexyl)phtha... | 21.778 | 149  | 488737   | 48.20 | ng    | # 97     |
| 85) Di-n-octyl phthalate      | 23.053 | 149  | 829194   | 49.03 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.263 | 276  | 782714   | 46.90 | ng    | # 88     |
| 88) Benzo(b)fluoranthene      | 24.245 | 252  | 715758   | 48.78 | ng    | # 94     |
| 89) Benzo(k)fluoranthene      | 24.322 | 252  | 689304   | 47.75 | ng    | # 96     |
| 90) Benzo(a)pyrene            | 25.180 | 252  | 699330   | 56.05 | ng    | # 94     |
| 91) Dibenzo(a,h)anthracene    | 29.345 | 278  | 659227   | 47.76 | ng    | # 93     |
| 92) Benzo(g,h,i)perylene      | 30.503 | 276  | 652251   | 48.24 | ng    | # 89     |

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

