

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP081721\  
 Data File : BP006711.D  
 Acq On : 17 Aug 2021 10:56  
 Operator : CG/JU  
 Sample : PB138321BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 PB138321BS

Manual Integrations  
 APPROVED

mohammad  
 8/18/2021 4:29:53 PM

Quant Time: Aug 17 13:24:17 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\8270E-BP080321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 16 18:17:59 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.704  | 152  | 152400   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.487 | 136  | 669042   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.345 | 164  | 376179   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.104 | 188  | 749771   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.210 | 240  | 781659   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 23.527 | 264  | 844451   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.305  | 112  | 1360315  | 137.097 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.893  | 99   | 1757538  | 124.695 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.863  | 82   | 1025174  | 70.727  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.845 | 330  | 502523   | 127.820 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.969 | 172  | 1762098  | 70.082  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.686 | 244  | 2467098  | 63.244  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.240  | 88   | 172592   | 39.954  | ng    | 96       |
| 3) Pyridine                   | 3.634  | 79   | 443319   | 34.917  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.552  | 42   | 206033   | 42.995  | ng    | # 79     |
| 6) Aniline                    | 7.040  | 93   | 661333   | 43.195  | ng    | 96       |
| 8) 2-Chlorophenol             | 7.269  | 128  | 540712   | 50.366  | ng    | 91       |
| 9) Benzaldehyde               | 6.852  | 77   | 276765   | 32.625  | ng    | 91       |
| 10) Phenol                    | 6.916  | 94   | 685554   | 48.507  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.146  | 93   | 510661   | 47.585  | ng    | 92       |
| 12) 1,3-Dichlorobenzene       | 7.593  | 146  | 530723   | 47.432  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 7.740  | 146  | 540662   | 47.611  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.051  | 146  | 522265   | 47.929  | ng    | 95       |
| 15) Benzyl Alcohol            | 7.957  | 79   | 512963   | 48.530  | ng    | 94       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.246  | 45   | 575948   | 45.100  | ng    | 94       |
| 17) 2-Methylphenol            | 8.157  | 107  | 451279   | 50.567  | ng    | 98       |
| 18) Hexachloroethane          | 8.769  | 117  | 227522   | 50.620  | ng    | # 89     |
| 19) n-Nitroso-di-n-propyla... | 8.522  | 70   | 432018   | 45.686  | ng    | # 95     |
| 20) 3+4-Methylphenols         | 8.487  | 107  | 603781   | 49.706  | ng    | 97       |
| 22) Acetophenone              | 8.534  | 105  | 812954   | 45.819  | ng    | # 98     |
| 24) Nitrobenzene              | 8.904  | 77   | 665003   | 44.135  | ng    | 90       |
| 25) Isophorone                | 9.434  | 82   | 1100070  | 42.254  | ng    | 95       |
| 26) 2-Nitrophenol             | 9.610  | 139  | 266242   | 48.554  | ng    | 91       |
| 27) 2,4-Dimethylphenol        | 9.681  | 122  | 483359   | 52.640  | ng    | 93       |
| 28) bis(2-Chloroethoxy)met... | 9.922  | 93   | 673880   | 48.377  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.145 | 162  | 444635   | 47.828  | ng    | 95       |
| 30) 1,2,4-Trichlorobenzene    | 10.351 | 180  | 457170   | 45.765  | ng    | 96       |
| 31) Naphthalene               | 10.540 | 128  | 1618746  | 45.027  | ng    | 99       |
| 32) Benzoic acid              | 9.845  | 122  | 321093   | 45.202  | ng    | 89       |
| 33) 4-Chloroaniline           | 10.657 | 127  | 342501   | 23.543  | ng    | 94       |
| 34) Hexachlorobutadiene       | 10.822 | 225  | 270036   | 46.388  | ng    | 99       |
| 35) Caprolactam               | 11.469 | 113  | 154156m  | 45.987  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 11.792 | 107  | 553145   | 46.831  | ng    | 88       |
| 37) 2-Methylnaphthalene       | 12.157 | 142  | 1101333  | 45.209  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 12.375 | 142  | 1018127  | 43.979  | ng    | 97       |
| 40) 1,2,4,5-Tetrachloroben... | 12.528 | 216  | 460584   | 46.780  | ng    | # 94     |
| 41) Hexachlorocyclopentadiene | 12.504 | 237  | 601786   | 115.243 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 12.775 | 196  | 324238   | 48.230  | ng    | 97       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.845 | 196  | 350814   | 47.143 | ng    | # 87     |
| 46) 1,1'-Biphenyl             | 13.181 | 154  | 1294682  | 45.470 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.216 | 162  | 1003395  | 45.761 | ng    | 94       |
| 48) 2-Nitroaniline            | 13.434 | 65   | 375415   | 48.515 | ng    | # 84     |
| 49) Acenaphthylene            | 14.069 | 152  | 1658268  | 46.902 | ng    | 99       |
| 50) Dimethylphthalate         | 13.822 | 163  | 1256783  | 45.897 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 13.939 | 165  | 272156   | 44.541 | ng    | # 73     |
| 52) Acenaphthene              | 14.410 | 154  | 962327   | 44.723 | ng    | 97       |
| 53) 3-Nitroaniline            | 14.269 | 138  | 218644   | 32.278 | ng    | 83       |
| 54) 2,4-Dinitrophenol         | 14.481 | 184  | 285336   | 89.299 | ng    | # 79     |
| 55) Dibenzofuran              | 14.751 | 168  | 1498070  | 44.261 | ng    | 94       |
| 56) 4-Nitrophenol             | 14.586 | 139  | 559808   | 95.176 | ng    | # 86     |
| 57) 2,4-Dinitrotoluene        | 14.728 | 165  | 386737   | 47.195 | ng    | # 72     |
| 58) Fluorene                  | 15.398 | 166  | 1229679  | 45.455 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 14.981 | 232  | 295906   | 47.449 | ng    | # 69     |
| 60) Diethylphthalate          | 15.192 | 149  | 1361958  | 47.355 | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 15.398 | 204  | 564682   | 46.092 | ng    | # 86     |
| 62) 4-Nitroaniline            | 15.433 | 138  | 317708   | 44.200 | ng    | 95       |
| 63) Azobenzene                | 15.692 | 77   | 1556821  | 46.428 | ng    | 93       |
| 65) 4,6-Dinitro-2-methylph... | 15.492 | 198  | 177656   | 38.779 | ng    | 73       |
| 66) n-Nitrosodiphenylamine    | 15.622 | 169  | 1042191  | 44.223 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.298 | 248  | 332173   | 46.174 | ng    | # 88     |
| 68) Hexachlorobenzene         | 16.404 | 284  | 377882   | 46.158 | ng    | # 88     |
| 69) Atrazine                  | 16.586 | 200  | 357877   | 48.665 | ng    | 95       |
| 70) Pentachlorophenol         | 16.757 | 266  | 517387   | 99.608 | ng    | 99       |
| 71) Phenanthrene              | 17.145 | 178  | 1903835  | 45.017 | ng    | 99       |
| 72) Anthracene                | 17.239 | 178  | 1937619  | 47.414 | ng    | 100      |
| 73) Carbazole                 | 17.516 | 167  | 1825886  | 43.804 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.080 | 149  | 2325204  | 48.962 | ng    | 99       |
| 75) Fluoranthene              | 19.127 | 202  | 2178108  | 45.886 | ng    | 95       |
| 77) Benzidine                 | 19.316 | 184  | 1194583  | 61.074 | ng    | 98       |
| 78) Pyrene                    | 19.480 | 202  | 2269880  | 43.475 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.368 | 149  | 1115277  | 48.578 | ng    | # 83     |
| 81) Benzo(a)anthracene        | 21.192 | 228  | 2265304  | 44.345 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.133 | 252  | 624812   | 46.590 | ng    | # 97     |
| 83) Chrysene                  | 21.245 | 228  | 2212796  | 44.681 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.139 | 149  | 1714432  | 49.692 | ng    | # 96     |
| 85) Di-n-octyl phthalate      | 22.039 | 149  | 3021700  | 53.137 | ng    | # 95     |
| 87) Indeno(1,2,3-cd)pyrene    | 25.921 | 276  | 2925156  | 47.772 | ng    | # 90     |
| 88) Benzo(b)fluoranthene      | 22.821 | 252  | 2454518  | 44.723 | ng    | # 96     |
| 89) Benzo(k)fluoranthene      | 22.868 | 252  | 2389333  | 45.343 | ng    | # 96     |
| 90) Benzo(a)pyrene            | 23.421 | 252  | 2398767  | 48.729 | ng    | # 95     |
| 91) Dibenzo(a,h)anthracene    | 25.933 | 278  | 2482311  | 46.888 | ng    | # 93     |
| 92) Benzo(g,h,i)perylene      | 26.650 | 276  | 2442616  | 48.147 | ng    | # 90     |

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

