

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM043021\  
 Data File : BM029726.D  
 Acq On : 30 Apr 2021 13:01  
 Operator : CG/JU  
 Sample : PB136062BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB136062BS

Manual Integrations  
 APPROVED

mohammad  
 5/3/2021 10:49:19 AM

Quant Time: Apr 30 13:52:53 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM043021.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 29 17:34:54 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.592  | 152  | 88904    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.369 | 136  | 323205   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.239 | 164  | 219217   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 16.986 | 188  | 426948   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.168 | 240  | 367553   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12              | 23.344 | 264  | 319683   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.193  | 112  | 512830   | 120.27 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.781  | 99   | 636851   | 109.99 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.751  | 82   | 424969   | 75.97  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.739 | 330  | 383000   | 110.05 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.857 | 172  | 1315369  | 77.81  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.621 | 244  | 1740463  | 86.91  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.122  | 88   | 49462    | 30.56  | ng    | 91       |
| 3) Pyridine                   | 3.522  | 79   | 125747   | 39.05  | ng    | 92       |
| 4) n-Nitrosodimethylamine     | 3.440  | 42   | 62864    | 39.10  | ng    | # 77     |
| 6) Aniline                    | 6.928  | 93   | 220400   | 35.33  | ng    | 94       |
| 8) 2-Chlorophenol             | 7.163  | 128  | 217705   | 41.56  | ng    | 91       |
| 9) Benzaldehyde               | 6.745  | 77   | 50376    | 22.28  | ng    | 89       |
| 10) Phenol                    | 6.810  | 94   | 232800   | 42.06  | ng    | 92       |
| 11) bis(2-Chloroethyl)ether   | 7.028  | 93   | 178841   | 41.18  | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 7.481  | 146  | 254218m  | 40.02  | ng    |          |
| 13) 1,4-Dichlorobenzene       | 7.628  | 146  | 259829   | 40.05  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 7.939  | 146  | 251651   | 39.56  | ng    | 97       |
| 15) Benzyl Alcohol            | 7.839  | 79   | 171391   | 42.35  | ng    | 93       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.122  | 45   | 174914   | 37.18  | ng    | 92       |
| 17) 2-Methylphenol            | 8.045  | 107  | 168100   | 42.56  | ng    | 96       |
| 18) Hexachloroethane          | 8.657  | 117  | 89525    | 39.51  | ng    | # 84     |
| 19) n-Nitroso-di-n-propyla... | 8.404  | 70   | 142043   | 38.02  | ng    | # 87     |
| 20) 3+4-Methylphenols         | 8.375  | 107  | 224595   | 42.41  | ng    | 97       |
| 22) Acetophenone              | 8.416  | 105  | 296769   | 40.72  | ng    | 95       |
| 24) Nitrobenzene              | 8.792  | 77   | 213215   | 37.85  | ng    | 93       |
| 25) Isophorone                | 9.316  | 82   | 395899   | 38.31  | ng    | 96       |
| 26) 2-Nitrophenol             | 9.498  | 139  | 121681   | 41.88  | ng    | # 86     |
| 27) 2,4-Dimethylphenol        | 9.563  | 122  | 193046   | 46.61  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 9.798  | 93   | 242988   | 44.19  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.028 | 162  | 242946   | 42.54  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 10.239 | 180  | 281297   | 40.54  | ng    | 99       |
| 31) Naphthalene               | 10.422 | 128  | 642130   | 38.83  | ng    | 99       |
| 32) Benzoic acid              | 9.745  | 122  | 124881   | 39.68  | ng    | 89       |
| 33) 4-Chloroaniline           | 10.539 | 127  | 142994   | 22.64  | ng    | 97       |
| 34) Hexachlorobutadiene       | 10.704 | 225  | 197695   | 40.46  | ng    | 97       |
| 35) Caprolactam               | 11.339 | 113  | 53773    | 38.80  | ng    | # 74     |
| 36) 4-Chloro-3-methylphenol   | 11.675 | 107  | 196915   | 39.88  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.039 | 142  | 497668   | 39.15  | ng    | 97       |
| 38) 1-Methylnaphthalene       | 12.263 | 142  | 461321   | 38.09  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 12.416 | 216  | 347432   | 43.42  | ng    | # 97     |
| 41) Hexachlorocyclopentadiene | 12.392 | 237  | 427044   | 94.97  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 12.669 | 196  | 216493   | 42.68  | ng    | 98       |

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|-------------------------------|--------|------|----------|-------|-------|----------|----|
| 44) 2,4,5-Trichlorophenol     | 12.739 | 196  | 231663   | 42.52 | ng    | #        | 94 |
| 46) 1,1'-Biphenyl             | 13.069 | 154  | 678565   | 41.00 | ng    |          | 99 |
| 47) 2-Chloronaphthalene       | 13.110 | 162  | 533252   | 39.93 | ng    |          | 98 |
| 48) 2-Nitroaniline            | 13.321 | 65   | 109474   | 39.67 | ng    |          | 85 |
| 49) Acenaphthylene            | 13.963 | 152  | 830889   | 41.21 | ng    |          | 99 |
| 50) Dimethylphthalate         | 13.710 | 163  | 640905   | 38.28 | ng    |          | 99 |
| 51) 2,6-Dinitrotoluene        | 13.827 | 165  | 144481   | 38.10 | ng    | #        | 81 |
| 52) Acenaphthene              | 14.304 | 154  | 499350   | 39.96 | ng    |          | 97 |
| 53) 3-Nitroaniline            | 14.157 | 138  | 73856    | 24.53 | ng    |          | 89 |
| 54) 2,4-Dinitrophenol         | 14.374 | 184  | 181655   | 73.73 | ng    | #        | 77 |
| 55) Dibenzofuran              | 14.645 | 168  | 800873   | 38.04 | ng    |          | 94 |
| 56) 4-Nitrophenol             | 14.480 | 139  | 186435   | 76.45 | ng    |          | 87 |
| 57) 2,4-Dinitrotoluene        | 14.621 | 165  | 187479   | 37.97 | ng    | #        | 85 |
| 58) Fluorene                  | 15.292 | 166  | 652110   | 37.72 | ng    |          | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.874 | 232  | 202297   | 39.94 | ng    | #        | 87 |
| 60) Diethylphthalate          | 15.080 | 149  | 613151   | 37.44 | ng    |          | 94 |
| 61) 4-Chlorophenyl-phenyle... | 15.292 | 204  | 381274   | 39.63 | ng    |          | 93 |
| 62) 4-Nitroaniline            | 15.327 | 138  | 105877   | 34.59 | ng    |          | 86 |
| 63) Azobenzene                | 15.586 | 77   | 471497   | 35.19 | ng    |          | 87 |
| 65) 4,6-Dinitro-2-methylph... | 15.386 | 198  | 113104   | 38.16 | ng    |          | 83 |
| 66) n-Nitrosodiphenylamine    | 15.510 | 169  | 558039   | 43.99 | ng    |          | 98 |
| 67) 4-Bromophenyl-phenylether | 16.186 | 248  | 229514   | 45.15 | ng    | #        | 89 |
| 68) Hexachlorobenzene         | 16.298 | 284  | 252747   | 44.55 | ng    | #        | 90 |
| 69) Atrazine                  | 16.468 | 200  | 215892   | 43.91 | ng    |          | 95 |
| 70) Pentachlorophenol         | 16.645 | 266  | 302787   | 90.51 | ng    |          | 97 |
| 71) Phenanthrene              | 17.027 | 178  | 961471   | 39.96 | ng    |          | 99 |
| 72) Anthracene                | 17.115 | 178  | 980652   | 41.05 | ng    |          | 99 |
| 73) Carbazole                 | 17.392 | 167  | 797992   | 37.04 | ng    |          | 98 |
| 74) Di-n-butylphthalate       | 17.962 | 149  | 1004746  | 39.46 | ng    |          | 99 |
| 75) Fluoranthene              | 19.045 | 202  | 1092406  | 36.97 | ng    |          | 99 |
| 77) Benzidine                 | 19.239 | 184  | 343761   | 50.56 | ng    |          | 99 |
| 78) Pyrene                    | 19.409 | 202  | 1099665  | 46.65 | ng    |          | 99 |
| 80) Butylbenzylphthalate      | 20.321 | 149  | 390233   | 43.41 | ng    | #        | 86 |
| 81) Benzo(a)anthracene        | 21.156 | 228  | 999668   | 41.81 | ng    |          | 99 |
| 82) 3,3'-Dichlorobenzidine    | 21.092 | 252  | 276177   | 36.33 | ng    | #        | 99 |
| 83) Chrysene                  | 21.209 | 228  | 951909   | 40.11 | ng    |          | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.097 | 149  | 607040   | 42.37 | ng    | #        | 98 |
| 85) Di-n-octyl phthalate      | 21.956 | 149  | 972531   | 40.42 | ng    | #        | 94 |
| 87) Indeno(1,2,3-cd)pyrene    | 25.521 | 276  | 1089172  | 45.01 | ng    |          | 96 |
| 88) Benzo(b)fluoranthene      | 22.691 | 252  | 902944   | 42.70 | ng    | #        | 98 |
| 89) Benzo(k)fluoranthene      | 22.738 | 252  | 880730   | 42.99 | ng    |          | 99 |
| 90) Benzo(a)pyrene            | 23.250 | 252  | 803222   | 41.51 | ng    |          | 99 |
| 91) Dibenzo(a,h)anthracene    | 25.532 | 278  | 912064   | 43.66 | ng    |          | 97 |
| 92) Benzo(g,h,i)perylene      | 26.185 | 276  | 901452   | 45.72 | ng    |          | 96 |

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

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