

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF090221\  
 Data File : BF125321.D  
 Acq On : 2 Sep 2021 15:14  
 Operator : JU/CG  
 Sample : PB138866BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB138866BS

Manual Integrations  
 APPROVED

mohammad  
 9/3/2021 3:30:33 PM

Quant Time: Sep 02 15:49:52 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF081821.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 24 12:39:21 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.910  | 152  | 186869   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.192  | 136  | 744660   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.951  | 164  | 389039   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.439 | 188  | 671678   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.086 | 240  | 388283   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.586 | 264  | 401558   | 20.000  | ng    | 0.01     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.545  | 112  | 1236730  | 100.172 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.545  | 99   | 1578072  | 98.831  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.475  | 82   | 1062460  | 71.829  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.745 | 330  | 485451   | 125.004 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.269  | 172  | 1849233  | 66.249  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.027 | 244  | 1850284  | 75.915  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.775  | 88   | 193550   | 31.771  | ng    | # 100    |
| 3) Pyridine                   | 3.540  | 79   | 466696   | 29.019  | ng    | # 89     |
| 4) n-Nitrosodimethylamine     | 3.498  | 42   | 291409   | 36.210  | ng    | # 37     |
| 6) Aniline                    | 6.575  | 93   | 709065   | 37.805  | ng    | # 94     |
| 8) 2-Chlorophenol             | 6.698  | 128  | 495078   | 39.309  | ng    | 83       |
| 9) Benzaldehyde               | 6.463  | 77   | 367412   | 32.788  | ng    | 94       |
| 10) Phenol                    | 6.563  | 94   | 644706   | 38.556  | ng    | 86       |
| 11) bis(2-Chloroethyl)ether   | 6.645  | 93   | 524929   | 39.860  | ng    | 86       |
| 12) 1,3-Dichlorobenzene       | 6.851  | 146  | 556151   | 38.107  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.928  | 146  | 558448   | 38.402  | ng    | 96       |
| 14) 1,2-Dichlorobenzene       | 7.081  | 146  | 538805   | 39.382  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.051  | 79   | 473672   | 38.529  | ng    | 96       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.181  | 45   | 984679   | 37.284  | ng    | 96       |
| 17) 2-Methylphenol            | 7.163  | 107  | 417968   | 39.506  | ng    | 95       |
| 18) Hexachloroethane          | 7.422  | 117  | 200983   | 39.468  | ng    | # 87     |
| 19) n-Nitroso-di-n-propyla... | 7.328  | 70   | 362761   | 37.771  | ng    | # 76     |
| 20) 3+4-Methylphenols         | 7.316  | 107  | 469876   | 35.381  | ng    | # 79     |
| 22) Acetophenone              | 7.322  | 105  | 683807   | 35.680  | ng    | # 88     |
| 24) Nitrobenzene              | 7.492  | 77   | 568044   | 35.244  | ng    | # 87     |
| 25) Isophorone                | 7.734  | 82   | 1026432  | 35.972  | ng    | # 90     |
| 26) 2-Nitrophenol             | 7.810  | 139  | 266191   | 41.362  | ng    | # 81     |
| 27) 2,4-Dimethylphenol        | 7.845  | 122  | 424946   | 37.717  | ng    | 89       |
| 28) bis(2-Chloroethoxy)met... | 7.939  | 93   | 632306   | 40.021  | ng    | # 97     |
| 29) 2,4-Dichlorophenol        | 8.051  | 162  | 424729   | 36.964  | ng    | 94       |
| 30) 1,2,4-Trichlorobenzene    | 8.133  | 180  | 458433   | 36.588  | ng    | 95       |
| 31) Naphthalene               | 8.216  | 128  | 1326193  | 34.775  | ng    | 100      |
| 32) Benzoic acid              | 7.969  | 122  | 266532   | 34.854  | ng    | # 83     |
| 33) 4-Chloroaniline           | 8.263  | 127  | 436549   | 29.037  | ng    | # 90     |
| 34) Hexachlorobutadiene       | 8.328  | 225  | 291988   | 36.547  | ng    | 99       |
| 35) Caprolactam               | 8.639  | 113  | 135711m  | 45.600  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.751  | 107  | 456832   | 38.946  | ng    | 94       |
| 37) 2-Methylnaphthalene       | 8.910  | 142  | 921801   | 36.578  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 9.010  | 142  | 853058   | 36.249  | ng    | 96       |
| 40) 1,2,4,5-Tetrachloroben... | 9.075  | 216  | 465773   | 36.645  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 9.057  | 237  | 549275   | 82.252  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.186  | 196  | 321317   | 35.902  | ng    | 96       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.228  | 196  | 342726   | 36.399 | ng    | 95       |
| 46) 1,1'-Biphenyl             | 9.375  | 154  | 1075564  | 34.292 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.398  | 162  | 890109   | 34.923 | ng    | 98       |
| 48) 2-Nitroaniline            | 9.492  | 65   | 324594   | 41.084 | ng #  | 78       |
| 49) Acenaphthylene            | 9.816  | 152  | 1347587  | 36.283 | ng    | 98       |
| 50) Dimethylphthalate         | 9.675  | 163  | 1033196  | 38.323 | ng #  | 97       |
| 51) 2,6-Dinitrotoluene        | 9.739  | 165  | 232797   | 39.822 | ng    | 98       |
| 52) Acenaphthene              | 9.986  | 154  | 790344   | 34.326 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.910  | 138  | 191679   | 30.405 | ng    | 87       |
| 54) 2,4-Dinitrophenol         | 10.016 | 184  | 222208   | 96.230 | ng #  | 84       |
| 55) Dibenzofuran              | 10.157 | 168  | 1157642  | 34.936 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.075 | 139  | 336455   | 67.394 | ng #  | 76       |
| 57) 2,4-Dinitrotoluene        | 10.145 | 165  | 296170   | 41.860 | ng #  | 93       |
| 58) Fluorene                  | 10.504 | 166  | 913847   | 37.303 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.275 | 232  | 265898   | 38.053 | ng #  | 85       |
| 60) Diethylphthalate          | 10.369 | 149  | 1013408  | 38.557 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.492 | 204  | 471868   | 38.096 | ng #  | 86       |
| 62) 4-Nitroaniline            | 10.522 | 138  | 235679   | 41.573 | ng #  | 82       |
| 63) Azobenzene                | 10.651 | 77   | 1050312  | 35.627 | ng    | 91       |
| 65) 4,6-Dinitro-2-methylph... | 10.551 | 198  | 150823   | 42.426 | ng    | 92       |
| 66) n-Nitrosodiphenylamine    | 10.610 | 169  | 867965   | 36.089 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.980 | 248  | 317938   | 39.419 | ng    | 95       |
| 68) Hexachlorobenzene         | 11.051 | 284  | 339349   | 40.898 | ng #  | 86       |
| 69) Atrazine                  | 11.139 | 200  | 285536   | 41.374 | ng    | 91       |
| 70) Pentachlorophenol         | 11.245 | 266  | 337206   | 69.601 | ng    | 92       |
| 71) Phenanthrene              | 11.469 | 178  | 1332293  | 35.998 | ng    | 97       |
| 72) Anthracene                | 11.521 | 178  | 1375637  | 37.710 | ng    | 98       |
| 73) Carbazole                 | 11.674 | 167  | 1152150  | 34.562 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.998 | 149  | 1477099  | 37.340 | ng    | 100      |
| 75) Fluoranthene              | 12.657 | 202  | 1303971  | 35.508 | ng    | 98       |
| 77) Benzidine                 | 12.774 | 184  | 809690   | 59.709 | ng    | 97       |
| 78) Pyrene                    | 12.886 | 202  | 1301757  | 39.084 | ng    | 97       |
| 80) Butylbenzylphthalate      | 13.498 | 149  | 520615   | 39.780 | ng    | 91       |
| 81) Benzo(a)anthracene        | 14.074 | 228  | 1028234  | 36.754 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 14.033 | 252  | 278399   | 32.103 | ng    | 99       |
| 83) Chrysene                  | 14.115 | 228  | 999505   | 36.126 | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 14.057 | 149  | 678988   | 37.747 | ng #  | 99       |
| 85) Di-n-octyl phthalate      | 14.668 | 149  | 1073412  | 35.880 | ng #  | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.121 | 276  | 1205651  | 41.676 | ng #  | 90       |
| 88) Benzo(b)fluoranthene      | 15.145 | 252  | 1010074  | 34.430 | ng #  | 94       |
| 89) Benzo(k)fluoranthene      | 15.174 | 252  | 1011399  | 36.945 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.527 | 252  | 1012489  | 39.070 | ng #  | 96       |
| 91) Dibenzo(a,h)anthracene    | 17.133 | 278  | 1017861  | 40.704 | ng #  | 95       |
| 92) Benzo(g,h,i)perylene      | 17.580 | 276  | 1038195  | 43.058 | ng #  | 88       |

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

