

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102523\  
 Data File : BF135953.D  
 Acq On : 25 Oct 2023 21:30  
 Operator : CG\JU  
 Sample : PB156273BS  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB156273BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/26/2023  
 Supervised By :mohammad ahmed 10/26/2023

Quant Time: Oct 26 04:33:57 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102523.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 26 03:58:01 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.822  | 152  | 164955   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.104  | 136  | 638893   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.863  | 164  | 325712   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.351 | 188  | 595665   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.010 | 240  | 382009   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.486 | 264  | 375368   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.469  | 112  | 1466570  | 137.288 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.463  | 99   | 1829726  | 137.581 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.392  | 82   | 1016599  | 100.709 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.657 | 330  | 490863   | 172.175 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.186  | 172  | 1864804  | 91.677  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.957 | 244  | 2306691  | 100.887 | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.722  | 88   | 200548   | 40.414  | ng    | 99       |
| 3) Pyridine                   | 3.463  | 79   | 493629   | 36.041  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.434  | 42   | 279112   | 46.736  | ng    | 99       |
| 6) Aniline                    | 6.487  | 93   | 585718   | 32.708  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.610  | 128  | 565411   | 51.128  | ng    | 97       |
| 9) Benzaldehyde               | 6.369  | 77   | 87984    | 12.230  | ng    | 95       |
| 10) Phenol                    | 6.475  | 94   | 666250m  | 47.920  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.563  | 93   | 528250   | 48.812  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 6.763  | 146  | 575321   | 48.978  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.839  | 146  | 583759   | 49.483  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 6.992  | 146  | 552402   | 50.424  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.969  | 79   | 374341   | 39.817  | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 7.104  | 45   | 757930   | 47.557  | ng    | 98       |
| 17) 2-Methylphenol            | 7.075  | 107  | 440446   | 45.189  | ng    | 99       |
| 18) Hexachloroethane          | 7.333  | 117  | 205210   | 51.156  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.245  | 70   | 352795   | 46.649  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.234  | 107  | 532824   | 45.295  | ng    | # 80     |
| 22) Acetophenone              | 7.239  | 105  | 728511   | 50.486  | ng    | # 90     |
| 24) Nitrobenzene              | 7.410  | 77   | 540407   | 50.911  | ng    | 99       |
| 25) Isophorone                | 7.645  | 82   | 990012   | 49.023  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.722  | 139  | 234276   | 57.604  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.763  | 122  | 435300   | 47.294  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.857  | 93   | 615018   | 49.594  | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 7.963  | 162  | 440929   | 53.498  | ng    | 95       |
| 30) 1,2,4-Trichlorobenzene    | 8.045  | 180  | 478678   | 51.295  | ng    | 99       |
| 31) Naphthalene               | 8.128  | 128  | 1514619  | 49.034  | ng    | 100      |
| 32) Benzoic acid              | 7.886  | 122  | 295778   | 58.755  | ng    | 91       |
| 33) 4-Chloroaniline           | 8.169  | 127  | 174354   | 12.771  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.245  | 225  | 265891   | 50.551  | ng    | 98       |
| 35) Caprolactam               | 8.551  | 113  | 155468m  | 56.683  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.657  | 107  | 471904   | 53.878  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.822  | 142  | 965962   | 47.265  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.916  | 142  | 929067   | 48.651  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 8.986  | 216  | 446613   | 48.548  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.975  | 237  | 520350   | 114.713 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.098  | 196  | 292672   | 54.356  | ng    | 99       |

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| 44) 2,4,5-Trichlorophenol     | 9.139  | 196  | 333940   | 52.236  | ng    | 95       |
| 46) 1,1'-Biphenyl             | 9.286  | 154  | 1214122  | 49.194  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.310  | 162  | 922970   | 50.560  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.404  | 65   | 272929   | 53.346  | ng    | 99       |
| 49) Acenaphthylene            | 9.727  | 152  | 1468929  | 51.006  | ng    | 99       |
| 50) Dimethylphthalate         | 9.592  | 163  | 1047670  | 49.600  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.651  | 165  | 236594   | 53.419  | ng    | 86       |
| 52) Acenaphthene              | 9.898  | 154  | 988846m  | 53.577  | ng    |          |
| 53) 3-Nitroaniline            | 9.816  | 138  | 166860   | 33.380  | ng    | 92       |
| 54) 2,4-Dinitrophenol         | 9.922  | 184  | 190800   | 96.789  | ng    | 98       |
| 55) Dibenzofuran              | 10.075 | 168  | 1298127  | 48.686  | ng    | 97       |
| 56) 4-Nitrophenol             | 9.980  | 139  | 444157   | 102.363 | ng    | 100      |
| 57) 2,4-Dinitrotoluene        | 10.057 | 165  | 317804   | 57.341  | ng    | 92       |
| 58) Fluorene                  | 10.416 | 166  | 981204   | 49.188  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.186 | 232  | 284579   | 59.157  | ng    | 99       |
| 60) Diethylphthalate          | 10.298 | 149  | 1011852  | 50.236  | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.410 | 204  | 468020   | 48.638  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.439 | 138  | 260168   | 49.938  | ng    | 96       |
| 63) Azobenzene                | 10.569 | 77   | 1001842  | 49.013  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.457 | 198  | 127509   | 59.041  | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 10.527 | 169  | 908872   | 50.507  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.898 | 248  | 306963   | 50.320  | ng    | 100      |
| 68) Hexachlorobenzene         | 10.957 | 284  | 357246   | 54.821  | ng    | 98       |
| 69) Atrazine                  | 11.063 | 200  | 301990   | 61.561  | ng    | 99       |
| 70) Pentachlorophenol         | 11.157 | 266  | 416501   | 99.708  | ng    | 99       |
| 71) Phenanthrene              | 11.380 | 178  | 1530277  | 50.779  | ng    | 99       |
| 72) Anthracene                | 11.433 | 178  | 1574815  | 51.035  | ng    | 100      |
| 73) Carbazole                 | 11.586 | 167  | 1409049  | 51.189  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.927 | 149  | 1551234  | 52.959  | ng    | 100      |
| 75) Fluoranthene              | 12.574 | 202  | 1636516  | 51.617  | ng    | 100      |
| 77) Benzidine                 | 12.698 | 184  | 405855   | 55.099  | ng    | 99       |
| 78) Pyrene                    | 12.804 | 202  | 1689113  | 52.661  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.433 | 149  | 640869   | 52.480  | ng    | 93       |
| 81) Benzo(a)anthracene        | 13.998 | 228  | 1378031  | 53.053  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.962 | 252  | 329006   | 41.634  | ng    | 98       |
| 83) Chrysene                  | 14.039 | 228  | 1318026  | 52.100  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.004 | 149  | 757286   | 57.416  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.621 | 149  | 1254522  | 60.379  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.998 | 276  | 1203185  | 56.528  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.057 | 252  | 1184693  | 53.032  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.086 | 252  | 1110025  | 50.594  | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.427 | 252  | 1018499  | 49.469  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.027 | 278  | 1002508  | 55.065  | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.456 | 276  | 953397   | 46.210  | ng    | 100      |

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

