

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071524\  
 Data File : BF138568.D  
 Acq On : 15 Jul 2024 14:28  
 Operator : CG\JU  
 Sample : PB162036BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB162036BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/16/2024  
 Supervised By :mohammad ahmed 07/16/2024

Quant Time: Jul 15 14:54:03 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF070924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 09 16:58:40 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.869  | 152  | 174817   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.151  | 136  | 760051   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.910  | 164  | 384124   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.392 | 188  | 682436   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.033 | 240  | 417545   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.498 | 264  | 385221   | 20.000  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 1299132  | 117.695 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.516  | 99   | 1718834  | 117.055 | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 7.439  | 82   | 1282291  | 82.833  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.704 | 330  | 432414   | 120.449 | ng    | 0.01     |
| 45) 2-Fluorobiphenyl          | 9.233  | 172  | 2041775  | 83.075  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.980 | 244  | 2118619  | 82.661  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.746  | 88   | 137169   | 28.058  | ng    | 99       |
| 3) Pyridine                   | 3.498  | 79   | 347767   | 28.846  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.463  | 42   | 308053   | 39.252  | ng    | 95       |
| 6) Aniline                    | 6.534  | 93   | 362938   | 26.388  | ng    | # 1      |
| 8) 2-Chlorophenol             | 6.657  | 128  | 529687   | 45.382  | ng    | 98       |
| 9) Benzaldehyde               | 6.422  | 77   | 103618   | 13.184  | ng    | 99       |
| 10) Phenol                    | 6.534  | 94   | 650427   | 41.731  | ng    | 95       |
| 11) bis(2-Chloroethyl)ether   | 6.610  | 93   | 517125   | 44.067  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.810  | 146  | 525426   | 40.049  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.886  | 146  | 538171   | 40.395  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.039  | 146  | 563318   | 45.398  | ng    | 97       |
| 15) Benzyl Alcohol            | 7.016  | 79   | 516835   | 46.900  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.139  | 45   | 1072899  | 46.492  | ng    | 84       |
| 17) 2-Methylphenol            | 7.134  | 107  | 450468   | 47.092  | ng    | # 90     |
| 18) Hexachloroethane          | 7.381  | 117  | 221282   | 45.180  | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 7.292  | 70   | 435070   | 47.951  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.286  | 107  | 549027   | 45.579  | ng    | # 84     |
| 22) Acetophenone              | 7.281  | 105  | 787055   | 42.637  | ng    | # 96     |
| 24) Nitrobenzene              | 7.457  | 77   | 649297   | 41.274  | ng    | 98       |
| 25) Isophorone                | 7.698  | 82   | 1160492  | 43.653  | ng    | 97       |
| 26) 2-Nitrophenol             | 7.769  | 139  | 290369   | 43.065  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 364756   | 44.016  | ng    | 97       |
| 28) bis(2-Chloroethoxy)met... | 7.904  | 93   | 645807   | 40.648  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 435786   | 40.495  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 8.092  | 180  | 490966   | 39.164  | ng    | 99       |
| 31) Naphthalene               | 8.175  | 128  | 1611945  | 40.779  | ng    | 99       |
| 32) Benzoic acid              | 7.969  | 122  | 311309   | 39.387  | ng    | 94       |
| 33) 4-Chloroaniline           | 8.222  | 127  | 337945   | 24.366  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.286  | 225  | 314250   | 40.707  | ng    | 99       |
| 35) Caprolactam               | 8.622  | 113  | 131946m  | 37.997  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.716  | 107  | 475468   | 39.466  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.863  | 142  | 1009870  | 39.699  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 8.963  | 142  | 998509   | 40.220  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 9.033  | 216  | 493982   | 46.142  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 9.016  | 237  | 398305   | 114.623 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.145  | 196  | 301156   | 44.100  | ng    | 100      |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF071524\  
 Data File : BF138568.D  
 Acq On : 15 Jul 2024 14:28  
 Operator : CG\JU  
 Sample : PB162036BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB162036BS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 07/16/2024  
 Supervised By :mohammad ahmed 07/16/2024

Quant Time: Jul 15 14:54:03 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF070924.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 09 16:58:40 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.204  | 196  | 337828   | 44.977 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.333  | 154  | 1479895  | 50.837 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.357  | 162  | 1124519  | 51.133 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 371086   | 48.694 | ng    | 95       |
| 49) Acenaphthylene            | 9.775  | 152  | 1335498  | 42.773 | ng    | 99       |
| 50) Dimethylphthalate         | 9.639  | 163  | 1210036  | 48.717 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 236337   | 41.325 | ng    | 87       |
| 52) Acenaphthene              | 9.945  | 154  | 826250   | 39.810 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.869  | 138  | 171911   | 29.329 | ng    | 94       |
| 54) 2,4-Dinitrophenol         | 9.980  | 184  | 262907   | 85.327 | ng    | 95       |
| 55) Dibenzofuran              | 10.116 | 168  | 1220891  | 40.556 | ng    | 99       |
| 56) 4-Nitrophenol             | 10.045 | 139  | 344155   | 79.574 | ng    | 99       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 309419   | 41.816 | ng    | 96       |
| 58) Fluorene                  | 10.457 | 166  | 967083   | 40.600 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.233 | 232  | 256692   | 43.303 | ng    | 98       |
| 60) Diethylphthalate          | 10.333 | 149  | 1043909  | 43.596 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.445 | 204  | 485393   | 40.581 | ng    | 93       |
| 62) 4-Nitroaniline            | 10.492 | 138  | 233021   | 39.672 | ng    | 94       |
| 63) Azobenzene                | 10.610 | 77   | 1101131  | 42.772 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.516 | 198  | 189586   | 48.113 | ng    | 90       |
| 66) n-Nitrosodiphenylamine    | 10.575 | 169  | 859269   | 42.026 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.939 | 248  | 298837   | 42.605 | ng    | 95       |
| 68) Hexachlorobenzene         | 11.004 | 284  | 326409   | 41.889 | ng    | 97       |
| 69) Atrazine                  | 11.098 | 200  | 250463   | 36.948 | ng    | 98       |
| 70) Pentachlorophenol         | 11.204 | 266  | 365005   | 79.162 | ng    | 97       |
| 71) Phenanthrene              | 11.422 | 178  | 1424808  | 41.326 | ng    | 99       |
| 72) Anthracene                | 11.474 | 178  | 1435111  | 41.933 | ng    | 99       |
| 73) Carbazole                 | 11.627 | 167  | 1236431  | 40.201 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.951 | 149  | 1583804  | 44.675 | ng    | 99       |
| 75) Fluoranthene              | 12.604 | 202  | 1686896  | 47.950 | ng    | 96       |
| 77) Benzidine                 | 12.721 | 184  | 107059   | 10.163 | ng    | 99       |
| 78) Pyrene                    | 12.833 | 202  | 1676549  | 39.554 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.445 | 149  | 515056   | 40.395 | ng    | 97       |
| 81) Benzo(a)anthracene        | 14.021 | 228  | 1207976  | 43.115 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.980 | 252  | 303795   | 42.081 | ng    | 97       |
| 83) Chrysene                  | 14.057 | 228  | 1142818  | 43.118 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.004 | 149  | 783017   | 57.580 | ng    | # 99     |
| 85) Di-n-octyl phthalate      | 14.615 | 149  | 1031100  | 47.997 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.986 | 276  | 1034797  | 39.992 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.068 | 252  | 907017   | 41.809 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.104 | 252  | 790054   | 37.340 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.439 | 252  | 837673   | 43.955 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.003 | 278  | 855735   | 40.429 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.433 | 276  | 992887   | 44.237 | ng    | 95       |

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

