

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011124\  
 Data File : BF137036.D  
 Acq On : 11 Jan 2024 13:44  
 Operator : CG\JU  
 Sample : PB158353BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB158353BS

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/12/2024  
 Supervised By :mohammad ahmed 01/13/2024

Quant Time: Jan 11 14:06:33 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 01:54:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.787  | 152  | 95388    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.069  | 136  | 397956   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.828  | 164  | 200720   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.322 | 188  | 372470   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.980 | 240  | 192176   | 20.000  | ng    | 0.01     |
| 86) Perylene-d12              | 15.468 | 264  | 157464   | 20.000  | ng    | 0.02     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.451  | 112  | 736446   | 120.462 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.451  | 99   | 919440   | 116.067 | ng    | 0.01     |
| 23) Nitrobenzene-d5           | 7.357  | 82   | 565236   | 72.681  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.627 | 330  | 259310   | 109.695 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.145  | 172  | 1095139  | 73.383  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.916 | 244  | 1068502  | 77.699  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.646  | 88   | 69396    | 27.244  | ng    | 98       |
| 3) Pyridine                   | 3.428  | 79   | 166996   | 26.870  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.387  | 42   | 123351   | 37.166  | ng    | 97       |
| 6) Aniline                    | 6.457  | 93   | 179017   | 22.603  | ng    | # 31     |
| 8) 2-Chlorophenol             | 6.581  | 128  | 292611   | 43.737  | ng    | 97       |
| 9) Benzaldehyde               | 6.345  | 77   | 45914    | 10.190  | ng    | 95       |
| 10) Phenol                    | 6.463  | 94   | 336828   | 39.831  | ng    | 92       |
| 11) bis(2-Chloroethyl)ether   | 6.534  | 93   | 265226   | 41.242  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 6.728  | 146  | 278071   | 38.101  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.804  | 146  | 284523   | 38.154  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 6.957  | 146  | 275766   | 39.741  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.945  | 79   | 227971   | 42.657  | ng    | 95       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.063  | 45   | 410989   | 39.089  | ng    | # 49     |
| 17) 2-Methylphenol            | 7.057  | 107  | 225061   | 40.607  | ng    | # 92     |
| 18) Hexachloroethane          | 7.292  | 117  | 100450   | 37.090  | ng    | # 87     |
| 19) n-Nitroso-di-n-propyla... | 7.210  | 70   | 195822   | 40.779  | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.210  | 107  | 286065   | 41.314  | ng    | # 70     |
| 22) Acetophenone              | 7.198  | 105  | 394296   | 39.529  | ng    | # 89     |
| 24) Nitrobenzene              | 7.375  | 77   | 291790   | 37.455  | ng    | 99       |
| 25) Isophorone                | 7.616  | 82   | 544168   | 38.454  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.686  | 139  | 155340   | 41.676  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.734  | 122  | 228814   | 50.424  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.822  | 93   | 332956   | 38.708  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.939  | 162  | 228709   | 39.149  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 8.010  | 180  | 246825   | 37.920  | ng    | 99       |
| 31) Naphthalene               | 8.092  | 128  | 833670   | 38.132  | ng    | 99       |
| 32) Benzoic acid              | 7.898  | 122  | 165428   | 37.678  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.139  | 127  | 175423   | 21.732  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.198  | 225  | 144933   | 36.648  | ng    | 97       |
| 35) Caprolactam               | 8.539  | 113  | 76472m   | 39.679  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.645  | 107  | 245819   | 37.377  | ng    | 100      |
| 37) 2-Methylnaphthalene       | 8.781  | 142  | 527804   | 37.512  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.881  | 142  | 496195   | 35.946  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 8.951  | 216  | 255333   | 41.075  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.928  | 237  | 125620   | 64.398  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.069  | 196  | 158694   | 39.807  | ng    | 96       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011124\  
 Data File : BF137036.D  
 Acq On : 11 Jan 2024 13:44  
 Operator : CG\JU  
 Sample : PB158353BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB158353BS

Manual Integrations  
 APPROVED

Reviewed By :Jagrut Upadhyay 01/12/2024  
 Supervised By :mohammad ahmed 01/13/2024

Quant Time: Jan 11 14:06:33 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF122023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 21 01:54:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.122  | 196  | 166321   | 37.439 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.251  | 154  | 659317   | 39.144 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.275  | 162  | 498868   | 38.960 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.380  | 65   | 152601   | 38.057 | ng    | 93       |
| 49) Acenaphthylene            | 9.692  | 152  | 782455   | 39.979 | ng    | 99       |
| 50) Dimethylphthalate         | 9.557  | 163  | 569662   | 38.855 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.628  | 165  | 123549   | 37.131 | ng    | 98       |
| 52) Acenaphthene              | 9.863  | 154  | 462573   | 38.128 | ng    | 98       |
| 53) 3-Nitroaniline            | 9.798  | 138  | 112786   | 31.999 | ng    | 90       |
| 54) 2,4-Dinitrophenol         | 9.916  | 184  | 122811   | 67.223 | ng    | 94       |
| 55) Dibenzofuran              | 10.033 | 168  | 684496   | 37.220 | ng    | 99       |
| 56) 4-Nitrophenol             | 9.986  | 139  | 148501   | 62.411 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 10.033 | 165  | 152202   | 35.236 | ng #  | 83       |
| 58) Fluorene                  | 10.380 | 166  | 557733   | 38.221 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.163 | 232  | 138245   | 40.426 | ng    | 97       |
| 60) Diethylphthalate          | 10.257 | 149  | 568649   | 37.382 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.369 | 204  | 268386   | 37.839 | ng    | 96       |
| 62) 4-Nitroaniline            | 10.422 | 138  | 111769   | 32.894 | ng    | 92       |
| 63) Azobenzene                | 10.533 | 77   | 523198   | 36.825 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.451 | 198  | 82452    | 38.626 | ng    | 90       |
| 66) n-Nitrosodiphenylamine    | 10.498 | 169  | 491779   | 40.644 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.863 | 248  | 161771   | 39.108 | ng    | 95       |
| 68) Hexachlorobenzene         | 10.933 | 284  | 181775   | 39.432 | ng #  | 94       |
| 69) Atrazine                  | 11.027 | 200  | 116882   | 37.768 | ng    | 98       |
| 70) Pentachlorophenol         | 11.133 | 266  | 127463   | 59.321 | ng    | 96       |
| 71) Phenanthrene              | 11.351 | 178  | 778014   | 40.709 | ng    | 100      |
| 72) Anthracene                | 11.404 | 178  | 776806   | 40.135 | ng    | 100      |
| 73) Carbazole                 | 11.563 | 167  | 706527   | 38.718 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.886 | 149  | 892299   | 40.072 | ng    | 99       |
| 75) Fluoranthene              | 12.545 | 202  | 774500   | 37.886 | ng    | 99       |
| 77) Benzidine                 | 12.669 | 184  | 25401m   | 4.483  | ng    |          |
| 78) Pyrene                    | 12.774 | 202  | 774931   | 41.077 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.392 | 149  | 295378   | 43.030 | ng    | 96       |
| 81) Benzo(a)anthracene        | 13.968 | 228  | 556691   | 41.717 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.933 | 252  | 155634   | 41.067 | ng    | 98       |
| 83) Chrysene                  | 14.010 | 228  | 508876   | 38.996 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 13.951 | 149  | 391557   | 45.336 | ng #  | 98       |
| 85) Di-n-octyl phthalate      | 14.568 | 149  | 587089   | 43.944 | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.009 | 276  | 564148   | 49.621 | ng    | 100      |
| 88) Benzo(b)fluoranthene      | 15.033 | 252  | 467956   | 44.495 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.062 | 252  | 462783   | 46.568 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.410 | 252  | 412787   | 46.498 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.021 | 278  | 478298   | 51.280 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.468 | 276  | 477610   | 49.996 | ng    | 99       |

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

Reviewed By :Jagrut Upadhyay 01/12/2024  
Supervised By :mohammad ahmed 01/13/2024

Abundance

TIC: BF137036.D\data.ms

Time-->

1,4-Dioxane

Pyridine

Benzaldehyde

2-Fluorophenol,S

Phenol,C

1,3-Dichlorobenzene,C

1,4-Dichlorobenzene,C

Benzyl alcohol

Hexachlorocyclopentadiene

Nitrobenzene-d5,S

Isopropyl alcohol

2,4-Dimethylphenol

2-Chlorophenol

Hexachlorobutadiene,C

Naphthalene

Caprolactam

4-Chloro-3-methylphenol,C

Hexachlorocyclopentadiene

2-Nitroaniline

2-Methylnaphthalene

2-Chloronaphthalene

1,1'-Biphenyl

Acenaphthylene

Acenaphthene,C

Diethylphthalate

Nitrophenyl-phenylether

Diethylphthalate

2,3,4,6-Tetrachlorophenol

Hexachlorobenzene

Pentachlorobenzene

Hexachlorocyclopentadiene

Anthracene

Carbazole

Di-n-butylphthalate

Fluoranthene,C

Pyrene

Terphenyl-d14,S

Benzylbenzylphthalate

3,3'-Dichlorobenzidine

Benzo(a)anthracene

Di-n-octyl phthalate,c

Benzo(b)fluoranthene

Benzo(a)pyrene,C

Benzo(a)pyrene

Indeno(1,2,3-cd)pyrene

Benzo(g,h,i)perylene