

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110522\  
 Data File : BF131021.D  
 Acq On : 05 Nov 2022 15:57  
 Operator : CG\JU  
 Sample : N5335-02MS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-2MS

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 11/07/2022  
 Supervised By : Jagrut Upadhyay 11/07/2022

Quant Time: Nov 07 00:48:59 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF102722.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Nov 07 00:46:02 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.904  | 152  | 66294    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.187  | 136  | 260115   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.951  | 164  | 138963   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.445 | 188  | 238351   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.092 | 240  | 150431   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.586 | 264  | 149073   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.528  | 112  | 460358   | 120.385 | ng    | 0.01     |
| 7) Phenol-d6                  | 6.534  | 99   | 581264   | 116.970 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.469  | 82   | 361428   | 83.785  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.745 | 330  | 146487   | 125.225 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.269  | 172  | 755817   | 82.231  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.033 | 244  | 601003   | 73.210  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.752  | 88   | 83375    | 48.630  | ng    | 91       |
| 3) Pyridine                   | 3.510  | 79   | 227247   | 47.322  | ng    | 98       |
| 4) n-Nitrosodimethylamine     | 3.481  | 42   | 145654   | 54.029  | ng    | 98       |
| 6) Aniline                    | 6.569  | 93   | 249883m  | 40.666  | ng    |          |
| 8) 2-Chlorophenol             | 6.687  | 128  | 214797   | 50.423  | ng    | 95       |
| 9) Benzaldehyde               | 6.457  | 77   | 148926   | 46.824  | ng    | 95       |
| 10) Phenol                    | 6.545  | 94   | 261446m  | 48.891  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.640  | 93   | 208216   | 49.948  | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 6.845  | 146  | 213345   | 44.197  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.922  | 146  | 214868   | 43.853  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 7.075  | 146  | 206949   | 45.605  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.045  | 79   | 188735   | 44.666  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.175  | 45   | 327368   | 44.056  | ng    | 97       |
| 17) 2-Methylphenol            | 7.157  | 107  | 158796   | 43.613  | ng    | 99       |
| 18) Hexachloroethane          | 7.416  | 117  | 85335    | 48.189  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.316  | 70   | 149714   | 44.280  | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.310  | 107  | 193698   | 40.916  | ng    | # 64     |
| 22) Acetophenone              | 7.316  | 105  | 277127   | 43.942  | ng    | 93       |
| 24) Nitrobenzene              | 7.487  | 77   | 243836   | 51.693  | ng    | 100      |
| 25) Isophorone                | 7.728  | 82   | 431490   | 48.506  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.804  | 139  | 100863   | 53.704  | ng    | 91       |
| 27) 2,4-Dimethylphenol        | 7.840  | 122  | 175771   | 47.478  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 7.934  | 93   | 231028   | 46.503  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.045  | 162  | 163259   | 42.868  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.128  | 180  | 172615   | 42.150  | ng    | 99       |
| 31) Naphthalene               | 8.210  | 128  | 575587   | 42.413  | ng    | 100      |
| 32) Benzoic acid              | 7.957  | 122  | 98078    | 38.992  | ng    | 93       |
| 33) 4-Chloroaniline           | 8.257  | 127  | 133407   | 24.877  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.322  | 225  | 121893   | 44.838  | ng    | 98       |
| 35) Caprolactam               | 8.634  | 113  | 56137m   | 45.997  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.739  | 107  | 211485   | 51.194  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.904  | 142  | 423890   | 49.657  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 9.004  | 142  | 397334   | 47.828  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.069  | 216  | 219135   | 55.608  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.051  | 237  | 265724   | 128.334 | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 9.181  | 196  | 151422   | 55.298  | ng    | 97       |

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|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.222  | 196  | 162216   | 55.448 | ng    | 97       |
| 46) 1,1'-Biphenyl             | 9.369  | 154  | 505974   | 51.106 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.392  | 162  | 391844   | 49.358 | ng    | 97       |
| 48) 2-Nitroaniline            | 9.492  | 65   | 128674   | 50.198 | ng    | 98       |
| 49) Acenaphthylene            | 9.816  | 152  | 531584   | 42.373 | ng    | 100      |
| 50) Dimethylphthalate         | 9.675  | 163  | 400428   | 41.953 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 9.733  | 165  | 88152    | 48.550 | ng    | 97       |
| 52) Acenaphthene              | 9.986  | 154  | 373211m  | 48.110 | ng    |          |
| 53) 3-Nitroaniline            | 9.904  | 138  | 57169    | 30.751 | ng    | # 97     |
| 54) 2,4-Dinitrophenol         | 10.016 | 184  | 84091    | 90.877 | ng    | 90       |
| 55) Dibenzofuran              | 10.157 | 168  | 467105   | 41.542 | ng    | 98       |
| 56) 4-Nitrophenol             | 10.069 | 139  | 125028   | 84.935 | ng    | 98       |
| 57) 2,4-Dinitrotoluene        | 10.139 | 165  | 114076   | 49.883 | ng    | # 90     |
| 58) Fluorene                  | 10.504 | 166  | 367569   | 41.515 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.275 | 232  | 100801   | 41.792 | ng    | 99       |
| 60) Diethylphthalate          | 10.375 | 149  | 393097   | 41.877 | ng    | 98       |
| 61) 4-Chlorophenyl-phenyle... | 10.492 | 204  | 188229   | 44.440 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.522 | 138  | 82563    | 43.858 | ng    | 95       |
| 63) Azobenzene                | 10.651 | 77   | 413526   | 42.201 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 10.551 | 198  | 58866    | 57.262 | ng    | 84       |
| 66) n-Nitrosodiphenylamine    | 10.616 | 169  | 330229   | 44.418 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.986 | 248  | 121434   | 50.661 | ng    | 96       |
| 68) Hexachlorobenzene         | 11.045 | 284  | 131424   | 49.763 | ng    | 95       |
| 69) Atrazine                  | 11.139 | 200  | 108504   | 50.537 | ng    | 98       |
| 70) Pentachlorophenol         | 11.245 | 266  | 117485   | 77.958 | ng    | 96       |
| 71) Phenanthrene              | 11.469 | 178  | 535556   | 43.534 | ng    | 100      |
| 72) Anthracene                | 11.522 | 178  | 542825   | 44.736 | ng    | 99       |
| 73) Carbazole                 | 11.675 | 167  | 454561   | 41.832 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.998 | 149  | 588291   | 44.578 | ng    | 99       |
| 75) Fluoranthene              | 12.663 | 202  | 536859   | 41.073 | ng    | 97       |
| 77) Benzidine                 | 12.780 | 184  | 202574   | 55.474 | ng    | 99       |
| 78) Pyrene                    | 12.892 | 202  | 511640   | 40.313 | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.510 | 149  | 206713   | 45.272 | ng    | 88       |
| 81) Benzo(a)anthracene        | 14.080 | 228  | 433184   | 43.433 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 14.045 | 252  | 113927   | 42.323 | ng    | 95       |
| 83) Chrysene                  | 14.121 | 228  | 410025   | 42.621 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.063 | 149  | 267939   | 48.804 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.680 | 149  | 414458   | 54.699 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.115 | 276  | 544723   | 55.025 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 15.145 | 252  | 419146   | 43.496 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.180 | 252  | 395134   | 42.080 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.527 | 252  | 368179   | 47.528 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.139 | 278  | 454270   | 56.290 | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 17.586 | 276  | 447149   | 54.310 | ng    | 97       |

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

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