

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF052922\  
 Data File : BF128581.D  
 Acq On : 29 May 2022 20:00  
 Operator : CG\JU  
 Sample : N2951-03MSD  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P035-SS001-0006-01MSD

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 05/31/2022  
 Supervised By : Jagrut Upadhyay 05/31/2022

Quant Time: May 30 00:52:37 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052622.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 27 01:51:59 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.840  | 152  | 105412   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.122  | 136  | 359414   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.881  | 164  | 186438   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.369 | 188  | 355572   | 20.000  | ng    | # 0.00   |
| 76) Chrysene-d12              | 14.010 | 240  | 259724   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.474 | 264  | 197799   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.457  | 112  | 585506   | 92.004  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.469  | 99   | 708005   | 87.255  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.404  | 82   | 486808   | 78.136  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.669 | 330  | 189431   | 106.747 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.198  | 172  | 867698   | 75.612  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.951 | 244  | 1022107  | 76.030  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.657  | 88   | 126860   | 44.706  | ng    | 96       |
| 3) Pyridine                   | 3.399  | 79   | 311169   | 42.355  | ng    | 93       |
| 4) n-Nitrosodimethylamine     | 3.346  | 42   | 213592   | 55.481  | ng    | 83       |
| 6) Aniline                    | 6.540  | 93   | 282133m  | 29.797  | ng    |          |
| 8) 2-Chlorophenol             | 6.622  | 128  | 322628   | 48.892  | ng    | 96       |
| 9) Benzaldehyde               | 6.393  | 77   | 219286   | 78.680  | ng    | 98       |
| 10) Phenol                    | 6.487  | 94   | 374906m  | 46.627  | ng    |          |
| 11) bis(2-Chloroethyl)ether   | 6.575  | 93   | 323645   | 49.171  | ng    | 100      |
| 12) 1,3-Dichlorobenzene       | 6.781  | 146  | 371893   | 49.604  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.857  | 146  | 379102   | 49.992  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.010  | 146  | 352569   | 50.515  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.981  | 79   | 295930   | 47.818  | ng    | 95       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.116  | 45   | 531740   | 45.647  | ng    | 98       |
| 17) 2-Methylphenol            | 7.092  | 107  | 243427   | 43.343  | ng    | 96       |
| 18) Hexachloroethane          | 7.351  | 117  | 125046   | 46.747  | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 7.251  | 70   | 231734   | 46.579  | ng    | 96       |
| 20) 3+4-Methylphenols         | 7.245  | 107  | 294701   | 43.434  | ng    | # 77     |
| 22) Acetophenone              | 7.251  | 105  | 439894   | 53.080  | ng    | # 91     |
| 24) Nitrobenzene              | 7.422  | 77   | 349546   | 56.750  | ng    | 97       |
| 25) Isophorone                | 7.663  | 82   | 613085   | 53.343  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.739  | 139  | 153768   | 59.731  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.775  | 122  | 283232m  | 55.352  | ng    |          |
| 28) bis(2-Chloroethoxy)met... | 7.875  | 93   | 361862   | 48.513  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 7.981  | 162  | 249138   | 47.047  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.063  | 180  | 284855   | 49.661  | ng    | 99       |
| 31) Naphthalene               | 8.145  | 128  | 871816   | 49.560  | ng    | 100      |
| 32) Benzoic acid              | 7.892  | 122  | 178778   | 49.425  | ng    | 100      |
| 33) 4-Chloroaniline           | 8.198  | 127  | 164202   | 23.444  | ng    | 97       |
| 34) Hexachlorobutadiene       | 8.263  | 225  | 198131   | 54.707  | ng    | 98       |
| 35) Caprolactam               | 8.563  | 113  | 73023m   | 44.719  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.675  | 107  | 259535   | 47.708  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.834  | 142  | 537442   | 48.403  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.934  | 142  | 509630   | 47.191  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.998  | 216  | 272522   | 53.231  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.986  | 237  | 145194   | 50.452  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.116  | 196  | 182777   | 48.413  | ng    | 97       |

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### Manual Integrations APPROVED

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| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.151  | 196  | 189556   | 48.728  | ng    | # 93     |
| 46) 1,1'-Biphenyl             | 9.304  | 154  | 669044   | 51.106  | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.328  | 162  | 511271   | 49.751  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.422  | 65   | 182448   | 63.845  | ng    | 99       |
| 49) Acenaphthylene            | 9.739  | 152  | 806533   | 51.088  | ng    | 100      |
| 50) Dimethylphthalate         | 9.604  | 163  | 622952   | 51.511  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.663  | 165  | 129412   | 58.389  | ng    | 90       |
| 52) Acenaphthene              | 9.916  | 154  | 500006   | 51.333  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.833  | 138  | 108435   | 42.363  | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 9.933  | 184  | 62571    | 57.734  | ng    | 93       |
| 55) Dibenzofuran              | 10.086 | 168  | 705107   | 48.790  | ng    | 95       |
| 56) 4-Nitrophenol             | 9.992  | 139  | 222928   | 107.329 | ng    | # 69     |
| 57) 2,4-Dinitrotoluene        | 10.063 | 165  | 169207   | 63.812  | ng    | 93       |
| 58) Fluorene                  | 10.428 | 166  | 540962   | 51.995  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.204 | 232  | 155563   | 49.347  | ng    | 98       |
| 60) Diethylphthalate          | 10.304 | 149  | 616218   | 52.454  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.422 | 204  | 269724   | 51.097  | ng    | 92       |
| 62) 4-Nitroaniline            | 10.445 | 138  | 129131   | 52.692  | ng    | 89       |
| 63) Azobenzene                | 10.581 | 77   | 581490   | 48.620  | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph... | 10.469 | 198  | 43925    | 29.169  | ng    | 92       |
| 66) n-Nitrosodiphenylamine    | 10.539 | 169  | 506035   | 47.535  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.910 | 248  | 176804   | 48.127  | ng    | 93       |
| 68) Hexachlorobenzene         | 10.975 | 284  | 202666   | 49.956  | ng    | 96       |
| 69) Atrazine                  | 11.069 | 200  | 169061   | 51.170  | ng    | 99       |
| 70) Pentachlorophenol         | 11.169 | 266  | 239955   | 97.061  | ng    | 98       |
| 71) Phenanthrene              | 11.392 | 178  | 838029   | 49.753  | ng    | 98       |
| 72) Anthracene                | 11.445 | 178  | 860912   | 51.169  | ng    | 99       |
| 73) Carbazole                 | 11.598 | 167  | 764150   | 47.391  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.933 | 149  | 996532   | 52.510  | ng    | 100      |
| 75) Fluoranthene              | 12.580 | 202  | 943988   | 52.420  | ng    | 97       |
| 77) Benzidine                 | 12.704 | 184  | 48638    | 8.119   | ng    | 97       |
| 78) Pyrene                    | 12.810 | 202  | 955944   | 48.856  | ng    | 98       |
| 80) Butylbenzylphthalate      | 13.433 | 149  | 427561   | 51.807  | ng    | 95       |
| 81) Benzo(a)anthracene        | 13.998 | 228  | 767881   | 49.742  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.963 | 252  | 201485   | 50.971  | ng    | 99       |
| 83) Chrysene                  | 14.039 | 228  | 738111   | 46.688  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.992 | 149  | 581543   | 58.259  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.610 | 149  | 940468   | 53.524  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.939 | 276  | 552742   | 47.379  | ng    | # 94     |
| 88) Benzo(b)fluoranthene      | 15.045 | 252  | 652937   | 53.065  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 15.080 | 252  | 599746m  | 52.608  | ng    |          |
| 90) Benzo(a)pyrene            | 15.415 | 252  | 573672   | 58.111  | ng    | # 97     |
| 91) Dibenzo(a,h)anthracene    | 16.957 | 278  | 495658   | 51.241  | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.380 | 276  | 467190   | 48.694  | ng    | # 94     |

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

