

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF112322\  
 Data File : BF131355.D  
 Acq On : 23 Nov 2022 10:36  
 Operator : CG\JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

Reviewed By :Christian  
 Giraldo

Quant Time: Nov 24 05:52:25 2022  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF112122.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Nov 24 05:48:25 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.969  | 152  | 104895   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.257  | 136  | 372488   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 10.022 | 164  | 211396   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.516 | 188  | 365444   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 14.174 | 240  | 198438   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.715 | 264  | 189044   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.569  | 112  | 424219   | 76.970 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.581  | 99   | 528983   | 75.225 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.534  | 82   | 547306   | 74.067 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.816 | 330  | 152329   | 85.651 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.339  | 172  | 1008644  | 69.415 | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.110 | 244  | 925111   | 76.235 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.757  | 88   | 95645    | 36.401 | ng    | 98       |
| 3) Pyridine                   | 3.528  | 79   | 267012   | 36.597 | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.499  | 42   | 153793   | 35.744 | ng    | 94       |
| 6) Aniline                    | 6.628  | 93   | 329876m  | 35.794 | ng    |          |
| 8) 2-Chlorophenol             | 6.751  | 128  | 238073   | 38.128 | ng    | 96       |
| 9) Benzaldehyde               | 6.516  | 77   | 167427   | 38.364 | ng    | 99       |
| 10) Phenol                    | 6.593  | 94   | 293931   | 37.700 | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.698  | 93   | 233505   | 35.747 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.904  | 146  | 269403   | 36.202 | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.987  | 146  | 274582   | 36.312 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.140  | 146  | 249697   | 35.863 | ng    | 98       |
| 15) Benzyl Alcohol            | 7.104  | 79   | 233343   | 40.470 | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.240  | 45   | 421274   | 33.722 | ng    | 99       |
| 17) 2-Methylphenol            | 7.210  | 107  | 202901   | 38.126 | ng    | 98       |
| 18) Hexachloroethane          | 7.481  | 117  | 103654   | 38.320 | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 7.381  | 70   | 186121   | 36.155 | ng    | 97       |
| 20) 3+4-Methylphenols         | 7.363  | 107  | 262679   | 38.658 | ng    | 91       |
| 22) Acetophenone              | 7.381  | 105  | 341449   | 36.013 | ng    | # 95     |
| 24) Nitrobenzene              | 7.551  | 77   | 280716   | 36.462 | ng    | 99       |
| 25) Isophorone                | 7.792  | 82   | 471866   | 35.793 | ng    | 100      |
| 26) 2-Nitrophenol             | 7.869  | 139  | 118256   | 46.592 | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.898  | 122  | 196638   | 38.475 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 8.004  | 93   | 259572   | 34.666 | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 8.110  | 162  | 215795   | 38.926 | ng    | 95       |
| 30) 1,2,4-Trichlorobenzene    | 8.192  | 180  | 248387   | 36.168 | ng    | 99       |
| 31) Naphthalene               | 8.281  | 128  | 710157   | 35.777 | ng    | 99       |
| 32) Benzoic acid              | 8.010  | 122  | 149655   | 47.231 | ng    | 96       |
| 33) 4-Chloroaniline           | 8.328  | 127  | 280396   | 35.806 | ng    | 96       |
| 34) Hexachlorobutadiene       | 8.392  | 225  | 161545   | 36.327 | ng    | 97       |
| 35) Caprolactam               | 8.698  | 113  | 61028    | 41.893 | ng    | 98       |
| 36) 4-Chloro-3-methylphenol   | 8.798  | 107  | 223284   | 38.768 | ng    | 96       |
| 37) 2-Methylnaphthalene       | 8.975  | 142  | 477038   | 35.469 | ng    | 98       |
| 38) 1-Methylnaphthalene       | 9.075  | 142  | 459885   | 35.262 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.134  | 216  | 245273   | 35.754 | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.122  | 237  | 132075   | 42.827 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 9.245  | 196  | 164282   | 42.214 | ng    | 99       |

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Reviewed By : Christian  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |                                |
|-------------------------------|--------|------|----------|--------|-------|----------|--------------------------------|
| 44) 2,4,5-Trichlorophenol     | 9.281  | 196  | 175113   | 40.016 | ng    | 98       | 11/25/2022                     |
| 46) 1,1'-Biphenyl             | 9.439  | 154  | 570192   | 35.345 | ng    | 99       | Supervised By :Jagrut Upadhyay |
| 47) 2-Chloronaphthalene       | 9.463  | 162  | 463275   | 35.799 | ng    | 99       |                                |
| 48) 2-Nitroaniline            | 9.557  | 65   | 164427   | 41.847 | ng    | 96       |                                |
| 49) Acenaphthylene            | 9.886  | 152  | 710896   | 36.036 | ng    | 99       |                                |
| 50) Dimethylphthalate         | 9.739  | 163  | 538068   | 36.532 | ng    | 99       |                                |
| 51) 2,6-Dinitrotoluene        | 9.804  | 165  | 116466   | 39.540 | ng    | # 83     | 11/25/2022                     |
| 52) Acenaphthene              | 10.057 | 154  | 459212   | 37.174 | ng    | 99       |                                |
| 53) 3-Nitroaniline            | 9.975  | 138  | 116087   | 38.354 | ng    | 98       |                                |
| 54) 2,4-Dinitrophenol         | 10.075 | 184  | 52914    | 48.562 | ng    | # 88     |                                |
| 55) Dibenzofuran              | 10.228 | 168  | 629728   | 35.434 | ng    | 100      |                                |
| 56) 4-Nitrophenol             | 10.116 | 139  | 89345    | 42.533 | ng    | 98       |                                |
| 57) 2,4-Dinitrotoluene        | 10.204 | 165  | 153175   | 41.330 | ng    | 97       |                                |
| 58) Fluorene                  | 10.575 | 166  | 489195   | 35.270 | ng    | 98       |                                |
| 59) 2,3,4,6-Tetrachlorophenol | 10.339 | 232  | 153609   | 42.149 | ng    | 98       |                                |
| 60) Diethylphthalate          | 10.439 | 149  | 510807   | 36.729 | ng    | 99       |                                |
| 61) 4-Chlorophenyl-phenyle... | 10.563 | 204  | 249459   | 35.085 | ng    | 96       |                                |
| 62) 4-Nitroaniline            | 10.592 | 138  | 114618   | 38.051 | ng    | 94       |                                |
| 63) Azobenzene                | 10.728 | 77   | 519474   | 34.739 | ng    | 95       |                                |
| 65) 4,6-Dinitro-2-methylph... | 10.610 | 198  | 73427    | 47.092 | ng    | 95       |                                |
| 66) n-Nitrosodiphenylamine    | 10.686 | 169  | 423452   | 36.364 | ng    | 97       |                                |
| 67) 4-Bromophenyl-phenylether | 11.057 | 248  | 161486   | 36.054 | ng    | 97       |                                |
| 68) Hexachlorobenzene         | 11.122 | 284  | 172593   | 36.307 | ng    | # 91     |                                |
| 69) Atrazine                  | 11.210 | 200  | 132711   | 37.015 | ng    | 100      |                                |
| 70) Pentachlorophenol         | 11.310 | 266  | 106467   | 41.072 | ng    | 99       |                                |
| 71) Phenanthrene              | 11.545 | 178  | 706164   | 35.756 | ng    | 99       |                                |
| 72) Anthracene                | 11.592 | 178  | 689960   | 35.548 | ng    | 99       |                                |
| 73) Carbazole                 | 11.751 | 167  | 582909   | 35.207 | ng    | 99       |                                |
| 74) Di-n-butylphthalate       | 12.080 | 149  | 677336   | 34.718 | ng    | 99       |                                |
| 75) Fluoranthene              | 12.739 | 202  | 688281   | 33.073 | ng    | 99       |                                |
| 77) Benzidine                 | 12.857 | 184  | 159187   | 43.430 | ng    | 96       |                                |
| 78) Pyrene                    | 12.969 | 202  | 684485   | 39.096 | ng    | 100      |                                |
| 80) Butylbenzylphthalate      | 13.586 | 149  | 212448   | 37.098 | ng    | 99       |                                |
| 81) Benzo(a)anthracene        | 14.163 | 228  | 490121   | 36.033 | ng    | 99       |                                |
| 82) 3,3'-Dichlorobenzidine    | 14.127 | 252  | 145168   | 40.220 | ng    | # 97     |                                |
| 83) Chrysene                  | 14.204 | 228  | 477587   | 35.788 | ng    | 99       |                                |
| 84) Bis(2-ethylhexyl)phtha... | 14.151 | 149  | 250284   | 33.267 | ng    | # 99     |                                |
| 85) Di-n-octyl phthalate      | 14.774 | 149  | 399593   | 38.427 | ng    | 97       |                                |
| 87) Indeno(1,2,3-cd)pyrene    | 17.298 | 276  | 585807   | 46.137 | ng    | 99       |                                |
| 88) Benzo(b)fluoranthene      | 15.257 | 252  | 420706   | 33.499 | ng    | 100      |                                |
| 89) Benzo(k)fluoranthene      | 15.286 | 252  | 433188   | 33.565 | ng    | 100      |                                |
| 90) Benzo(a)pyrene            | 15.645 | 252  | 373316   | 36.228 | ng    | 99       |                                |
| 91) Dibenzo(a,h)anthracene    | 17.321 | 278  | 480149   | 45.804 | ng    | 98       |                                |
| 92) Benzo(g,h,i)perylene      | 17.780 | 276  | 494597   | 47.274 | ng    | 97       |                                |

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

