

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF083021\  
 Data File : BF125264.D  
 Acq On : 30 Aug 2021 16:04  
 Operator : JU/CG  
 Sample : M3569-02MS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S-2MS

Manual Integrations  
 APPROVED

mohammad  
 8/31/2021 11:30:27 AM

Quant Time: Aug 30 16:55:20 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF081821.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 24 12:39:21 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.916  | 152  | 170699   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.198  | 136  | 670941   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.951  | 164  | 372756   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.439 | 188  | 708526   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.086 | 240  | 419905   | 20.000  | ng    | # 0.00   |
| 86) Perylene-d12              | 15.580 | 264  | 463030   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.534  | 112  | 1179233  | 104.563 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.545  | 99   | 1529142  | 104.839 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.481  | 82   | 1001266  | 75.130  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.745 | 330  | 525968   | 141.354 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.275  | 172  | 1752760  | 65.535  | ng    | 0.00     |
| 79) Terphenyl-d14             | 13.027 | 244  | 1925312  | 73.045  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.722  | 88   | 208079   | 37.391  | ng    | # 100    |
| 3) Pyridine                   | 3.493  | 79   | 480878   | 32.733  | ng    | # 93     |
| 4) n-Nitrosodimethylamine     | 3.446  | 42   | 294309   | 40.035  | ng    | # 40     |
| 6) Aniline                    | 6.575  | 93   | 750570   | 43.809  | ng    | # 92     |
| 8) 2-Chlorophenol             | 6.698  | 128  | 504034   | 43.811  | ng    | 80       |
| 9) Benzaldehyde               | 6.463  | 77   | 351340   | 34.324  | ng    | 93       |
| 10) Phenol                    | 6.557  | 94   | 697359   | 45.655  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.651  | 93   | 528841   | 43.961  | ng    | 89       |
| 12) 1,3-Dichlorobenzene       | 6.857  | 146  | 556696   | 41.757  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 6.934  | 146  | 555634   | 41.828  | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 7.087  | 146  | 542206   | 43.385  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.057  | 79   | 479712   | 42.717  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.187  | 45   | 993034   | 41.162  | ng    | 97       |
| 17) 2-Methylphenol            | 7.163  | 107  | 444418   | 45.985  | ng    | 94       |
| 18) Hexachloroethane          | 7.428  | 117  | 199579   | 42.905  | ng    | # 86     |
| 19) n-Nitroso-di-n-propyla... | 7.328  | 70   | 376019   | 42.861  | ng    | # 78     |
| 20) 3+4-Methylphenols         | 7.316  | 107  | 529402   | 43.639  | ng    | 91       |
| 22) Acetophenone              | 7.328  | 105  | 714826   | 41.397  | ng    | # 97     |
| 24) Nitrobenzene              | 7.498  | 77   | 597101   | 41.118  | ng    | 88       |
| 25) Isophorone                | 7.734  | 82   | 1068621  | 41.565  | ng    | # 88     |
| 26) 2-Nitrophenol             | 7.816  | 139  | 280855   | 48.435  | ng    | # 84     |
| 27) 2,4-Dimethylphenol        | 7.845  | 122  | 457766   | 45.094  | ng    | 89       |
| 28) bis(2-Chloroethoxy)met... | 7.945  | 93   | 655057   | 46.017  | ng    | # 97     |
| 29) 2,4-Dichlorophenol        | 8.057  | 162  | 451059   | 43.569  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 8.139  | 180  | 467508   | 41.412  | ng    | 95       |
| 31) Naphthalene               | 8.222  | 128  | 1397669  | 40.676  | ng    | 99       |
| 32) Benzoic acid              | 7.975  | 122  | 350347   | 50.849  | ng    | # 84     |
| 33) 4-Chloroaniline           | 8.269  | 127  | 444420   | 32.808  | ng    | # 93     |
| 34) Hexachlorobutadiene       | 8.334  | 225  | 300149   | 41.696  | ng    | 99       |
| 35) Caprolactam               | 8.639  | 113  | 157815m  | 58.853  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.745  | 107  | 502951   | 47.588  | ng    | 89       |
| 37) 2-Methylnaphthalene       | 8.910  | 142  | 982251   | 43.259  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 9.010  | 142  | 913467   | 43.081  | ng    | 95       |
| 40) 1,2,4,5-Tetrachloroben... | 9.075  | 216  | 494422   | 40.598  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 9.063  | 237  | 504353   | 78.824  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.186  | 196  | 354936   | 41.391  | ng    | 97       |

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|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.228  | 196  | 393976   | 43.670  | ng    | # 92     |
| 46) 1,1'-Biphenyl             | 9.375  | 154  | 1155790  | 38.460  | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.398  | 162  | 950529   | 38.922  | ng    | 98       |
| 48) 2-Nitroaniline            | 9.498  | 65   | 363414   | 48.006  | ng    | 89       |
| 49) Acenaphthylene            | 9.816  | 152  | 1477988  | 41.532  | ng    | 97       |
| 50) Dimethylphthalate         | 9.675  | 163  | 1157385  | 44.805  | ng    | # 97     |
| 51) 2,6-Dinitrotoluene        | 9.739  | 165  | 260025   | 46.423  | ng    | 99       |
| 52) Acenaphthene              | 9.992  | 154  | 898548   | 40.730  | ng    | 97       |
| 53) 3-Nitroaniline            | 9.904  | 138  | 241329   | 39.952  | ng    | # 72     |
| 54) 2,4-Dinitrophenol         | 10.016 | 184  | 277653   | 125.493 | ng    | # 80     |
| 55) Dibenzofuran              | 10.163 | 168  | 1313170  | 41.361  | ng    | 98       |
| 56) 4-Nitrophenol             | 10.069 | 139  | 453766   | 94.863  | ng    | # 76     |
| 57) 2,4-Dinitrotoluene        | 10.139 | 165  | 354620   | 52.311  | ng    | # 98     |
| 58) Fluorene                  | 10.504 | 166  | 1062926  | 45.284  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.275 | 232  | 319476   | 47.718  | ng    | # 84     |
| 60) Diethylphthalate          | 10.375 | 149  | 1145437  | 45.485  | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 10.492 | 204  | 533212   | 44.929  | ng    | 87       |
| 62) 4-Nitroaniline            | 10.522 | 138  | 285478   | 52.557  | ng    | # 82     |
| 63) Azobenzene                | 10.651 | 77   | 1187011  | 42.023  | ng    | 91       |
| 65) 4,6-Dinitro-2-methylph... | 10.551 | 198  | 182731   | 48.729  | ng    | 82       |
| 66) n-Nitrosodiphenylamine    | 10.610 | 169  | 1005724  | 39.643  | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 10.986 | 248  | 369265   | 43.401  | ng    | # 87     |
| 68) Hexachlorobenzene         | 11.051 | 284  | 393410   | 44.948  | ng    | # 84     |
| 69) Atrazine                  | 11.139 | 200  | 355107   | 48.779  | ng    | 91       |
| 70) Pentachlorophenol         | 11.245 | 266  | 441200   | 86.330  | ng    | 91       |
| 71) Phenanthrene              | 11.469 | 178  | 2002184  | 51.285  | ng    | 97       |
| 72) Anthracene                | 11.522 | 178  | 1704476  | 44.295  | ng    | 98       |
| 73) Carbazole                 | 11.675 | 167  | 1452911  | 41.318  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.998 | 149  | 1849827  | 44.330  | ng    | 99       |
| 75) Fluoranthene              | 12.657 | 202  | 2158476  | 55.721  | ng    | 96       |
| 77) Benzidine                 | 12.774 | 184  | 1008229  | 68.750  | ng    | 97       |
| 78) Pyrene                    | 12.886 | 202  | 1995680  | 55.406  | ng    | 95       |
| 80) Butylbenzylphthalate      | 13.498 | 149  | 666262   | 47.075  | ng    | 88       |
| 81) Benzo(a)anthracene        | 14.074 | 228  | 1541432  | 50.949  | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine    | 14.033 | 252  | 429520   | 45.799  | ng    | 99       |
| 83) Chrysene                  | 14.116 | 228  | 1440187  | 48.134  | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 14.057 | 149  | 918651   | 47.225  | ng    | # 98     |
| 85) Di-n-octyl phthalate      | 14.674 | 149  | 1545669  | 47.775  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.109 | 276  | 1398749  | 41.932  | ng    | # 89     |
| 88) Benzo(b)fluoranthene      | 15.145 | 252  | 1635249  | 48.340  | ng    | # 94     |
| 89) Benzo(k)fluoranthene      | 15.174 | 252  | 1425643  | 45.163  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.527 | 252  | 1540594m | 51.557  | ng    |          |
| 91) Dibenzo(a,h)anthracene    | 17.127 | 278  | 1096878  | 38.041  | ng    | # 92     |
| 92) Benzo(g,h,i)perylene      | 17.568 | 276  | 1075461  | 38.682  | ng    | # 88     |

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

