

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF062121\  
 Data File : BF124391.D  
 Acq On : 21 Jun 2021 13:48  
 Operator : JU/CG  
 Sample : M2773-08MSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-8MSD

Manual Integrations  
 APPROVED

mohammad  
 6/23/2021 11:30:04 AM

Quant Time: Jun 21 14:12:04 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF060321.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 15 20:09:26 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.786  | 152  | 31444    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.069  | 136  | 115961   | 20.000 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.827  | 164  | 67048    | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.316 | 188  | 109856   | 20.000 | ng    | # 0.00   |
| 76) Chrysene-d12              | 13.962 | 240  | 68802    | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.421 | 264  | 82316    | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.416  | 112  | 100854   | 48.283 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.434  | 99   | 155981   | 55.555 | ng    | -0.01    |
| 23) Nitrobenzene-d5           | 7.351  | 82   | 135304   | 46.277 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.621 | 330  | 21979    | 23.138 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.145  | 172  | 250269   | 46.971 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.898 | 244  | 219298   | 43.761 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.522  | 88   | 33397    | 36.534 | ng    | # 87     |
| 3) Pyridine                   | 3.263  | 79   | 75401    | 32.207 | ng    | 84       |
| 4) n-Nitrosodimethylamine     | 3.216  | 42   | 49190    | 35.360 | ng    | # 91     |
| 6) Aniline                    | 6.451  | 93   | 104410m  | 32.557 | ng    |          |
| 8) 2-Chlorophenol             | 6.575  | 128  | 99472    | 42.797 | ng    | 95       |
| 9) Benzaldehyde               | 6.339  | 77   | 69225    | 55.468 | ng    | 97       |
| 10) Phenol                    | 6.445  | 94   | 121180   | 39.936 | ng    | # 56     |
| 11) bis(2-Chloroethyl)ether   | 6.522  | 93   | 94820    | 42.866 | ng    | 92       |
| 12) 1,3-Dichlorobenzene       | 6.728  | 146  | 116376   | 42.830 | ng    | 93       |
| 13) 1,4-Dichlorobenzene       | 6.804  | 146  | 124272   | 45.596 | ng    | 94       |
| 14) 1,2-Dichlorobenzene       | 6.957  | 146  | 113495   | 43.530 | ng    | 94       |
| 15) Benzyl Alcohol            | 6.939  | 79   | 138006   | 54.524 | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.063  | 45   | 126183   | 36.566 | ng    | # 42     |
| 17) 2-Methylphenol            | 7.057  | 107  | 78566    | 41.582 | ng    | # 86     |
| 18) Hexachloroethane          | 7.292  | 117  | 46679    | 43.491 | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 7.204  | 70   | 76834    | 38.766 | ng    | # 81     |
| 20) 3+4-Methylphenols         | 7.210  | 107  | 104810   | 41.865 | ng    | # 73     |
| 22) Acetophenone              | 7.198  | 105  | 139241   | 42.121 | ng    | # 91     |
| 24) Nitrobenzene              | 7.375  | 77   | 118702   | 40.470 | ng    | 95       |
| 25) Isophorone                | 7.610  | 82   | 195255   | 37.059 | ng    | 98       |
| 26) 2-Nitrophenol             | 7.692  | 139  | 55963    | 42.713 | ng    | # 84     |
| 27) 2,4-Dimethylphenol        | 7.733  | 122  | 85961    | 46.527 | ng    | 92       |
| 28) bis(2-Chloroethoxy)met... | 7.822  | 93   | 114488   | 43.831 | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 7.939  | 162  | 89931    | 42.066 | ng    | 90       |
| 30) 1,2,4-Trichlorobenzene    | 8.010  | 180  | 104679   | 43.692 | ng    | 97       |
| 31) Naphthalene               | 8.092  | 128  | 282966   | 40.815 | ng    | 97       |
| 32) Benzoic acid              | 7.869  | 122  | 28361    | 25.016 | ng    | # 82     |
| 33) 4-Chloroaniline           | 8.145  | 127  | 34840    | 13.511 | ng    | 92       |
| 34) Hexachlorobutadiene       | 8.210  | 225  | 68638    | 40.559 | ng    | 93       |
| 35) Caprolactam               | 8.527  | 113  | 24588m   | 41.865 | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.645  | 107  | 91348    | 39.055 | ng    | # 85     |
| 37) 2-Methylnaphthalene       | 8.786  | 142  | 205618   | 42.292 | ng    | 95       |
| 38) 1-Methylnaphthalene       | 8.886  | 142  | 190680   | 41.969 | ng    | 96       |
| 40) 1,2,4,5-Tetrachloroben... | 8.951  | 216  | 109129   | 45.939 | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 8.939  | 237  | 65395    | 53.571 | ng    | 92       |
| 43) 2,4,6-Trichlorophenol     | 9.069  | 196  | 63206    | 40.796 | ng    | 95       |

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| 44) 2,4,5-Trichlorophenol     | 9.122  | 196  | 63764    | 38.338 | ng    | # 91     |
| 46) 1,1'-Biphenyl             | 9.251  | 154  | 246987   | 43.638 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.274  | 162  | 199085   | 43.214 | ng    | 93       |
| 48) 2-Nitroaniline            | 9.380  | 65   | 65616    | 39.467 | ng    | 88       |
| 49) Acenaphthylene            | 9.686  | 152  | 286554   | 42.791 | ng    | 98       |
| 50) Dimethylphthalate         | 9.551  | 163  | 226267   | 40.789 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 9.622  | 165  | 49801    | 39.155 | ng    | # 72     |
| 52) Acenaphthene              | 9.863  | 154  | 180332   | 41.231 | ng    | 96       |
| 53) 3-Nitroaniline            | 9.786  | 138  | 25428    | 21.361 | ng    | # 89     |
| 54) 2,4-Dinitrophenol         | 9.910  | 184  | 31498    | 49.822 | ng    | # 81     |
| 55) Dibenzofuran              | 10.033 | 168  | 275825   | 40.293 | ng    | 98       |
| 56) 4-Nitrophenol             | 9.974  | 139  | 47350    | 55.658 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 10.027 | 165  | 67261    | 40.098 | ng    | # 90     |
| 58) Fluorene                  | 10.374 | 166  | 219159   | 41.708 | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.157 | 232  | 48997    | 36.353 | ng    | # 96     |
| 60) Diethylphthalate          | 10.251 | 149  | 221311   | 39.532 | ng    | 94       |
| 61) 4-Chlorophenyl-phenyle... | 10.369 | 204  | 109357   | 40.703 | ng    | 92       |
| 62) 4-Nitroaniline            | 10.410 | 138  | 41808    | 34.930 | ng    | 93       |
| 63) Azobenzene                | 10.527 | 77   | 219481   | 37.611 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 10.439 | 198  | 29361    | 33.257 | ng    | # 65     |
| 66) n-Nitrosodiphenylamine    | 10.486 | 169  | 186846   | 44.764 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 10.857 | 248  | 64183    | 42.566 | ng    | 96       |
| 68) Hexachlorobenzene         | 10.927 | 284  | 72155    | 42.249 | ng    | 98       |
| 69) Atrazine                  | 11.016 | 200  | 56783    | 48.057 | ng    | 99       |
| 70) Pentachlorophenol         | 11.127 | 266  | 34497    | 40.760 | ng    | 95       |
| 71) Phenanthrene              | 11.339 | 178  | 295887   | 43.116 | ng    | 100      |
| 72) Anthracene                | 11.392 | 178  | 312814   | 45.262 | ng    | 97       |
| 73) Carbazole                 | 11.551 | 167  | 233388   | 38.751 | ng    | 95       |
| 74) Di-n-butylphthalate       | 11.874 | 149  | 300755   | 38.857 | ng    | 97       |
| 75) Fluoranthene              | 12.527 | 202  | 275326   | 38.222 | ng    | 97       |
| 77) Benzidine                 | 12.651 | 184  | 106990   | 65.139 | ng    | 97       |
| 78) Pyrene                    | 12.757 | 202  | 271230   | 41.053 | ng    | 98       |
| 80) Butylbenzylphthalate      | 13.374 | 149  | 101376   | 37.825 | ng    | 94       |
| 81) Benzo(a)anthracene        | 13.951 | 228  | 226873   | 45.264 | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine    | 13.910 | 252  | 49495    | 33.661 | ng    | 94       |
| 83) Chrysene                  | 13.986 | 228  | 212121   | 43.865 | ng    | 97       |
| 84) Bis(2-ethylhexyl)phtha... | 13.933 | 149  | 137920   | 43.261 | ng    | 96       |
| 85) Di-n-octyl phthalate      | 14.545 | 149  | 244192   | 57.393 | ng    | # 88     |
| 87) Indeno(1,2,3-cd)pyrene    | 16.892 | 276  | 294120   | 43.388 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 14.998 | 252  | 263134   | 41.151 | ng    | # 95     |
| 89) Benzo(k)fluoranthene      | 15.027 | 252  | 233225   | 38.528 | ng    | 98       |
| 90) Benzo(a)pyrene            | 15.362 | 252  | 249851   | 44.986 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.898 | 278  | 245968   | 42.586 | ng    | # 97     |
| 92) Benzo(g,h,i)perylene      | 17.327 | 276  | 241234   | 42.299 | ng    | 97       |

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

