

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG030321\  
 Data File : BG048319.D  
 Acq On : 3 Mar 2021 18:59  
 Operator : CG/JU  
 Sample : M1537-01MS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 BU-01-030221MS

Manual Integrations  
 APPROVED

mohammad  
 3/4/2021 11:31:16 AM

Quant Time: Mar 03 23:58:07 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG021021.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 03 16:40:27 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.103  | 152  | 35664    | 20.00  | ng    | # 0.00   |
| 21) Naphthalene-d8            | 10.923 | 136  | 143176   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.736 | 164  | 109994   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.486 | 188  | 268083   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.769 | 240  | 281137   | 20.00  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.065 | 264  | 285722   | 20.00  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.688  | 112  | 281951   | 134.57 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.316  | 99   | 399778   | 125.59 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.284  | 82   | 294551   | 87.02  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.235 | 330  | 222486   | 126.46 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.361 | 172  | 602443   | 76.79  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.083 | 244  | 1053894  | 68.50  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.532  | 88   | 31356    | 32.66  | ng    | # 88     |
| 3) Pyridine                   | 3.937  | 79   | 102296   | 38.54  | ng    | 92       |
| 4) n-Nitrosodimethylamine     | 3.855  | 42   | 73743    | 52.33  | ng    | # 62     |
| 6) Aniline                    | 7.439  | 93   | 89021    | 23.41  | ng    | # 89     |
| 8) 2-Chlorophenol             | 7.686  | 128  | 113172   | 49.18  | ng    | 85       |
| 9) Benzaldehyde               | 7.245  | 77   | 41643    | 18.47  | ng    | 88       |
| 10) Phenol                    | 7.339  | 94   | 165112   | 51.30  | ng    | # 64     |
| 11) bis(2-Chloroethyl)ether   | 7.521  | 93   | 111668   | 44.53  | ng    | 94       |
| 12) 1,3-Dichlorobenzene       | 7.991  | 146  | 123810   | 46.57  | ng    | # 88     |
| 13) 1,4-Dichlorobenzene       | 8.138  | 146  | 124233   | 46.34  | ng    | 95       |
| 14) 1,2-Dichlorobenzene       | 8.461  | 146  | 120831m  | 47.39  | ng    |          |
| 15) Benzyl Alcohol            | 8.361  | 79   | 134622   | 47.99  | ng    | # 84     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.632  | 45   | 152085   | 46.77  | ng    | 94       |
| 17) 2-Methylphenol            | 8.585  | 107  | 106173   | 50.59  | ng    | # 82     |
| 18) Hexachloroethane          | 9.184  | 117  | 49412    | 48.34  | ng    | 90       |
| 19) n-Nitroso-di-n-propyla... | 8.914  | 70   | 109174   | 44.43  | ng    | # 86     |
| 20) 3+4-Methylphenols         | 8.920  | 107  | 141548   | 48.40  | ng    | # 69     |
| 22) Acetophenone              | 8.937  | 105  | 188050   | 45.75  | ng    | # 86     |
| 24) Nitrobenzene              | 9.325  | 77   | 169401   | 46.91  | ng    | # 82     |
| 25) Isophorone                | 9.842  | 82   | 282404   | 42.07  | ng    | 93       |
| 26) 2-Nitrophenol             | 10.036 | 139  | 68225    | 45.67  | ng    | # 53     |
| 27) 2,4-Dimethylphenol        | 10.112 | 122  | 106430   | 49.49  | ng    | # 82     |
| 28) bis(2-Chloroethoxy)met... | 10.324 | 93   | 156707   | 47.76  | ng    | 97       |
| 29) 2,4-Dichlorophenol        | 10.594 | 162  | 129744   | 47.18  | ng    | 94       |
| 30) 1,2,4-Trichlorobenzene    | 10.782 | 180  | 144294   | 46.15  | ng    | 97       |
| 31) Naphthalene               | 10.976 | 128  | 356022   | 45.04  | ng    | 99       |
| 32) Benzoic acid              | 10.289 | 122  | 48635    | 31.96  | ng    | # 68     |
| 33) 4-Chloroaniline           | 11.099 | 127  | 38003    | 11.08  | ng    | # 85     |
| 34) Hexachlorobutadiene       | 11.240 | 225  | 109416   | 46.79  | ng    | 98       |
| 35) Caprolactam               | 11.881 | 113  | 38582m   | 42.35  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.251 | 107  | 136225   | 44.81  | ng    | # 82     |
| 37) 2-Methylnaphthalene       | 12.574 | 142  | 268067   | 43.62  | ng    | # 88     |
| 38) 1-Methylnaphthalene       | 12.792 | 142  | 255730   | 43.99  | ng    | # 97     |
| 40) 1,2,4,5-Tetrachloroben... | 12.933 | 216  | 190456   | 48.48  | ng    | # 97     |
| 41) Hexachlorocyclopentadiene | 12.903 | 237  | 238880   | 99.71  | ng    | 97       |
| 43) 2,4,6-Trichlorophenol     | 13.191 | 196  | 128211   | 45.42  | ng    | 98       |

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|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.285 | 196  | 135345   | 44.45 | ng    | # 93     |
| 46) 1,1'-Biphenyl             | 13.573 | 154  | 359349   | 45.60 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.620 | 162  | 305128   | 45.50 | ng    | 96       |
| 48) 2-Nitroaniline            | 13.843 | 65   | 119458   | 49.63 | ng    | # 67     |
| 49) Acenaphthylene            | 14.466 | 152  | 456562   | 44.01 | ng    | 99       |
| 50) Dimethylphthalate         | 14.190 | 163  | 419890   | 45.65 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.325 | 165  | 85860    | 41.54 | ng    | # 45     |
| 52) Acenaphthene              | 14.801 | 154  | 278566   | 39.67 | ng    | 97       |
| 53) 3-Nitroaniline            | 14.672 | 138  | 48339    | 23.81 | ng    | # 69     |
| 54) 2,4-Dinitrophenol         | 14.877 | 184  | 108800   | 80.87 | ng    | # 57     |
| 55) Dibenzofuran              | 15.136 | 168  | 478572   | 43.58 | ng    | 93       |
| 56) 4-Nitrophenol             | 15.030 | 139  | 134726   | 80.96 | ng    | # 31     |
| 57) 2,4-Dinitrotoluene        | 15.124 | 165  | 127216   | 42.61 | ng    | # 61     |
| 58) Fluorene                  | 15.788 | 166  | 385928   | 44.30 | ng    | 96       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.383 | 232  | 135172   | 44.33 | ng    | # 96     |
| 60) Diethylphthalate          | 15.547 | 149  | 413595   | 43.98 | ng    | 94       |
| 61) 4-Chlorophenyl-phenyle... | 15.770 | 204  | 236087   | 45.00 | ng    | 99       |
| 62) 4-Nitroaniline            | 15.841 | 138  | 76991    | 36.47 | ng    | # 39     |
| 63) Azobenzene                | 16.064 | 77   | 422706   | 45.05 | ng    | 86       |
| 65) 4,6-Dinitro-2-methylph... | 15.888 | 198  | 81627    | 41.95 | ng    | 77       |
| 66) n-Nitrosodiphenylamine    | 15.994 | 169  | 353207   | 45.55 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.663 | 248  | 162223   | 47.20 | ng    | 94       |
| 68) Hexachlorobenzene         | 16.787 | 284  | 170540   | 48.10 | ng    | # 92     |
| 69) Atrazine                  | 16.945 | 200  | 131576   | 40.81 | ng    | 96       |
| 70) Pentachlorophenol         | 17.151 | 266  | 177303   | 76.03 | ng    | 96       |
| 71) Phenanthrene              | 17.533 | 178  | 721360   | 49.55 | ng    | 97       |
| 72) Anthracene                | 17.621 | 178  | 697888   | 48.28 | ng    | 97       |
| 73) Carbazole                 | 17.903 | 167  | 601949   | 44.03 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.432 | 149  | 716241   | 47.27 | ng    | # 96     |
| 75) Fluoranthene              | 19.537 | 202  | 950472   | 50.16 | ng    | 96       |
| 77) Benzidine                 | 19.719 | 184  | 261224   | 28.44 | ng    | 98       |
| 78) Pyrene                    | 19.895 | 202  | 941312   | 47.94 | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.765 | 149  | 318041   | 46.25 | ng    | # 81     |
| 81) Benzo(a)anthracene        | 21.752 | 228  | 930662   | 47.45 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.663 | 252  | 204960   | 29.18 | ng    | 98       |
| 83) Chrysene                  | 21.816 | 228  | 890437   | 47.53 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.628 | 149  | 463058   | 47.94 | ng    | 96       |
| 85) Di-n-octyl phthalate      | 22.856 | 149  | 788300   | 47.93 | ng    | # 94     |
| 87) Indeno(1,2,3-cd)pyrene    | 28.843 | 276  | 1066520  | 49.26 | ng    | # 86     |
| 88) Benzo(b)fluoranthene      | 24.020 | 252  | 977020   | 49.46 | ng    | # 97     |
| 89) Benzo(k)fluoranthene      | 24.084 | 252  | 875402   | 46.45 | ng    | # 97     |
| 90) Benzo(a)pyrene            | 24.913 | 252  | 858319   | 46.84 | ng    | # 97     |
| 91) Dibenzo(a,h)anthracene    | 28.908 | 278  | 869887   | 47.10 | ng    | # 94     |
| 92) Benzo(g,h,i)perylene      | 30.030 | 276  | 873804   | 48.69 | ng    | # 91     |

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

