

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG020921\  
 Data File : BG048124.D  
 Acq On : 9 Feb 2021 16:22  
 Operator : CG/JU  
 Sample : M1337-04MSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CLASSIC BH 01 2-4MSD

Manual Integrations  
 APPROVED

mohammad  
 2/10/2021 9:57:39 AM

Quant Time: Feb 09 17:07:50 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG012521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 09 14:29:17 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.111  | 152  | 50938    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.925 | 136  | 204761   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.733 | 164  | 155034   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.476 | 188  | 379436   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.748 | 240  | 386936   | 20.00  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.021 | 264  | 398039   | 20.00  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.667  | 112  | 369923   | 111.61 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.265  | 99   | 526860   | 104.55 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.274  | 82   | 344931   | 66.65  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.219 | 330  | 271561   | 105.17 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.364 | 172  | 763517   | 63.67  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.073 | 244  | 1286099  | 57.63  | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.552  | 88   | 54264    | 36.73  | ng    | # 93     |
| 3) Pyridine                   | 3.951  | 79   | 157096   | 35.42  | ng    | 90       |
| 4) n-Nitrosodimethylamine     | 3.863  | 42   | 89744    | 43.79  | ng    | # 81     |
| 6) Aniline                    | 7.429  | 93   | 181234   | 29.77  | ng    | 94       |
| 8) 2-Chlorophenol             | 7.676  | 128  | 168399   | 48.54  | ng    | 92       |
| 9) Benzaldehyde               | 7.247  | 77   | 84444    | 32.67  | ng    | 85       |
| 10) Phenol                    | 7.288  | 94   | 240307   | 49.75  | ng    | 76       |
| 11) bis(2-Chloroethyl)ether   | 7.523  | 93   | 159238   | 42.09  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.999  | 146  | 174383   | 41.64  | ng    | # 90     |
| 13) 1,4-Dichlorobenzene       | 8.146  | 146  | 174098   | 41.47  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.469  | 146  | 169474m  | 42.29  | ng    |          |
| 15) Benzyl Alcohol            | 8.346  | 79   | 188735   | 44.27  | ng    | # 86     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.634  | 45   | 205588   | 38.72  | ng    | 96       |
| 17) 2-Methylphenol            | 8.546  | 107  | 149916   | 45.92  | ng    | # 87     |
| 18) Hexachloroethane          | 9.198  | 117  | 67318    | 41.10  | ng    | 89       |
| 19) n-Nitroso-di-n-propyla... | 8.916  | 70   | 150431   | 40.90  | ng    | # 94     |
| 20) 3+4-Methylphenols         | 8.875  | 107  | 205794   | 45.56  | ng    | 89       |
| 22) Acetophenone              | 8.934  | 105  | 263565   | 41.77  | ng    | # 93     |
| 24) Nitrobenzene              | 9.315  | 77   | 221648   | 42.77  | ng    | # 86     |
| 25) Isophorone                | 9.838  | 82   | 388926   | 41.88  | ng    | # 95     |
| 26) 2-Nitrophenol             | 10.026 | 139  | 97446    | 45.70  | ng    | # 69     |
| 27) 2,4-Dimethylphenol        | 10.085 | 122  | 156577   | 50.53  | ng    | 89       |
| 28) bis(2-Chloroethoxy)met... | 10.320 | 93   | 221854   | 39.70  | ng    | 97       |
| 29) 2,4-Dichlorophenol        | 10.561 | 162  | 184983   | 46.40  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.784 | 180  | 197222   | 40.92  | ng    | 97       |
| 31) Naphthalene               | 10.972 | 128  | 492431   | 41.59  | ng    | 100      |
| 32) Benzoic acid              | 10.226 | 122  | 129108   | 46.53  | ng    | # 77     |
| 33) 4-Chloroaniline           | 11.072 | 127  | 84506    | 15.62  | ng    | # 89     |
| 34) Hexachlorobutadiene       | 11.260 | 225  | 140040   | 40.91  | ng    | 96       |
| 35) Caprolactam               | 11.848 | 113  | 64896m   | 42.76  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.189 | 107  | 201432   | 45.03  | ng    | 87       |
| 37) 2-Methylnaphthalene       | 12.570 | 142  | 372254   | 41.63  | ng    | # 94     |
| 38) 1-Methylnaphthalene       | 12.788 | 142  | 351155   | 41.16  | ng    | # 98     |
| 40) 1,2,4,5-Tetrachloroben... | 12.935 | 216  | 247418   | 41.86  | ng    | # 97     |
| 41) Hexachlorocyclopentadiene | 12.917 | 237  | 342426   | 102.28 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 13.164 | 196  | 184780   | 44.83  | ng    | 98       |

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|-------------------------------|--------|------|----------|--------|-------|----------|-----|
| 44) 2,4,5-Trichlorophenol     | 13.240 | 196  | 193582   | 45.32  | ng    | #        | 94  |
| 46) 1,1'-Biphenyl             | 13.569 | 154  | 503065   | 41.97  | ng    |          | 100 |
| 47) 2-Chloronaphthalene       | 13.616 | 162  | 409507   | 39.26  | ng    |          | 97  |
| 48) 2-Nitroaniline            | 13.810 | 65   | 158600   | 41.89  | ng    | #        | 75  |
| 49) Acenaphthylene            | 14.457 | 152  | 634749   | 41.23  | ng    |          | 99  |
| 50) Dimethylphthalate         | 14.186 | 163  | 584394   | 41.65  | ng    |          | 98  |
| 51) 2,6-Dinitrotoluene        | 14.304 | 165  | 126690   | 43.43  | ng    | #        | 69  |
| 52) Acenaphthene              | 14.797 | 154  | 500470m  | 48.02  | ng    |          |     |
| 53) 3-Nitroaniline            | 14.633 | 138  | 71557    | 22.36  | ng    | #        | 77  |
| 54) 2,4-Dinitrophenol         | 14.838 | 184  | 182475   | 100.04 | ng    | #        | 71  |
| 55) Dibenzofuran              | 15.132 | 168  | 655813   | 41.49  | ng    |          | 96  |
| 56) 4-Nitrophenol             | 14.932 | 139  | 211906   | 84.87  | ng    | #        | 51  |
| 57) 2,4-Dinitrotoluene        | 15.085 | 165  | 178874   | 42.46  | ng    | #        | 71  |
| 58) Fluorene                  | 15.778 | 166  | 527579   | 41.51  | ng    |          | 95  |
| 59) 2,3,4,6-Tetrachlorophenol | 15.355 | 232  | 193884   | 45.39  | ng    | #        | 96  |
| 60) Diethylphthalate          | 15.543 | 149  | 586797   | 40.68  | ng    |          | 96  |
| 61) 4-Chlorophenyl-phenyle... | 15.767 | 204  | 322651   | 41.46  | ng    |          | 98  |
| 62) 4-Nitroaniline            | 15.796 | 138  | 130641   | 37.48  | ng    | #        | 65  |
| 63) Azobenzene                | 16.061 | 77   | 561171   | 41.32  | ng    |          | 90  |
| 65) 4,6-Dinitro-2-methylph... | 15.849 | 198  | 126767   | 51.77  | ng    |          | 83  |
| 66) n-Nitrosodiphenylamine    | 15.984 | 169  | 495171   | 43.43  | ng    |          | 99  |
| 67) 4-Bromophenyl-phenylether | 16.660 | 248  | 214796   | 42.36  | ng    |          | 95  |
| 68) Hexachlorobenzene         | 16.783 | 284  | 229812   | 41.68  | ng    |          | 95  |
| 69) Atrazine                  | 16.924 | 200  | 179509   | 41.45  | ng    |          | 96  |
| 70) Pentachlorophenol         | 17.124 | 266  | 314287   | 93.87  | ng    |          | 99  |
| 71) Phenanthrene              | 17.518 | 178  | 912372   | 41.68  | ng    |          | 98  |
| 72) Anthracene                | 17.612 | 178  | 940802   | 43.70  | ng    |          | 98  |
| 73) Carbazole                 | 17.876 | 167  | 829206   | 41.27  | ng    |          | 98  |
| 74) Di-n-butylphthalate       | 18.428 | 149  | 963474   | 39.27  | ng    | #        | 97  |
| 75) Fluoranthene              | 19.521 | 202  | 1180020  | 41.11  | ng    |          | 97  |
| 77) Benzidine                 | 19.692 | 184  | 371160   | 33.25  | ng    |          | 98  |
| 78) Pyrene                    | 19.880 | 202  | 1164965  | 41.11  | ng    |          | 99  |
| 80) Butylbenzylphthalate      | 20.761 | 149  | 442218   | 40.86  | ng    |          | 88  |
| 81) Benzo(a)anthracene        | 21.730 | 228  | 1175036  | 41.79  | ng    |          | 99  |
| 82) 3,3'-Dichlorobenzidine    | 21.636 | 252  | 239223   | 25.25  | ng    | #        | 98  |
| 83) Chrysene                  | 21.801 | 228  | 1123897  | 42.06  | ng    |          | 98  |
| 84) Bis(2-ethylhexyl)phtha... | 21.630 | 149  | 619461   | 41.79  | ng    |          | 96  |
| 85) Di-n-octyl phthalate      | 22.858 | 149  | 1060471  | 42.77  | ng    |          | 96  |
| 87) Indeno(1,2,3-cd)pyrene    | 28.752 | 276  | 1404367  | 43.86  | ng    | #        | 85  |
| 88) Benzo(b)fluoranthene      | 23.981 | 252  | 1226812  | 43.37  | ng    | #        | 96  |
| 89) Benzo(k)fluoranthene      | 24.051 | 252  | 1152732  | 41.93  | ng    | #        | 97  |
| 90) Benzo(a)pyrene            | 24.862 | 252  | 1110362  | 41.79  | ng    | #        | 98  |
| 91) Dibenzo(a,h)anthracene    | 28.816 | 278  | 1155217  | 43.72  | ng    | #        | 96  |
| 92) Benzo(g,h,i)perylene      | 29.921 | 276  | 1146269  | 45.04  | ng    | #        | 93  |

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

