

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG010821\  
 Data File : BG047893.D  
 Acq On : 8 Jan 2021 19:25  
 Operator : CG/JU  
 Sample : M1019-02MS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 20410MS

Manual Integrations  
 APPROVED

mohammad  
 1/11/2021 10:26:52 AM

Quant Time: Jan 09 00:54:40 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG121720.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 08 11:19:41 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.167  | 152  | 29414    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.993 | 136  | 109550   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.795 | 164  | 82897    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.533 | 188  | 221804   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.810 | 240  | 230019   | 20.00  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.135 | 264  | 238650   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.752  | 112  | 231180   | 135.96 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.391  | 99   | 301111   | 121.14 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.336  | 82   | 230684   | 77.45  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.287 | 330  | 209395   | 147.96 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.420 | 172  | 526608   | 82.20  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.124 | 244  | 1085969  | 77.80  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.514  | 88   | 25230    | 34.54  | ng    | # 52     |
| 3) Pyridine                   | 3.937  | 79   | 45690    | 24.23  | ng    | # 82     |
| 4) n-Nitrosodimethylamine     | 3.831  | 42   | 61493    | 41.22  | ng    | # 43     |
| 6) Aniline                    | 7.480  | 93   | 37065    | 13.44  | ng    | # 84     |
| 8) 2-Chlorophenol             | 7.762  | 128  | 88381    | 50.99  | ng    | 93       |
| 9) Benzaldehyde               | 7.286  | 77   | 18312    | 11.24  | ng    | # 83     |
| 10) Phenol                    | 7.421  | 94   | 129889   | 57.64  | ng    | # 48     |
| 11) bis(2-Chloroethyl)ether   | 7.568  | 93   | 73803    | 45.96  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 8.055  | 146  | 97152    | 41.58  | ng    | # 90     |
| 13) 1,4-Dichlorobenzene       | 8.202  | 146  | 99417    | 42.58  | ng    | 95       |
| 14) 1,2-Dichlorobenzene       | 8.525  | 146  | 94087m   | 42.86  | ng    |          |
| 15) Benzyl Alcohol            | 8.414  | 79   | 109554   | 49.75  | ng    | # 85     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.690  | 45   | 65921    | 41.32  | ng    | # 1      |
| 17) 2-Methylphenol            | 8.672  | 107  | 81285    | 51.12  | ng    | # 79     |
| 18) Hexachloroethane          | 9.260  | 117  | 38982    | 42.59  | ng    | 95       |
| 19) n-Nitroso-di-n-propyla... | 8.972  | 70   | 80082    | 46.30  | ng    | 97       |
| 20) 3+4-Methylphenols         | 9.007  | 107  | 104465   | 47.96  | ng    | # 63     |
| 22) Acetophenone              | 8.990  | 105  | 142655   | 45.50  | ng    | # 83     |
| 24) Nitrobenzene              | 9.377  | 77   | 122968   | 43.74  | ng    | # 86     |
| 25) Isophorone                | 9.900  | 82   | 212127   | 47.23  | ng    | # 92     |
| 26) 2-Nitrophenol             | 10.100 | 139  | 50487    | 45.40  | ng    | # 58     |
| 27) 2,4-Dimethylphenol        | 10.194 | 122  | 86527    | 54.05  | ng    | 89       |
| 28) bis(2-Chloroethoxy)met... | 10.382 | 93   | 100255   | 43.19  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.711 | 162  | 99665    | 47.81  | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.852 | 180  | 110224   | 41.21  | ng    | 95       |
| 31) Naphthalene               | 11.040 | 128  | 260856   | 43.32  | ng    | 99       |
| 32) Benzoic acid              | 10.353 | 122  | 31504    | 37.48  | ng    | # 83     |
| 33) 4-Chloroaniline           | 11.152 | 127  | 9162     | 3.58   | ng    | # 90     |
| 34) Hexachlorobutadiene       | 11.322 | 225  | 95246    | 40.38  | ng    | 98       |
| 35) Caprolactam               | 11.916 | 113  | 25876m   | 39.09  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.344 | 107  | 113989   | 50.03  | ng    | # 82     |
| 37) 2-Methylnaphthalene       | 12.638 | 142  | 211678   | 45.32  | ng    | # 91     |
| 38) 1-Methylnaphthalene       | 12.856 | 142  | 195670   | 44.32  | ng    | # 94     |
| 40) 1,2,4,5-Tetrachloroben... | 13.003 | 216  | 153209   | 45.03  | ng    | # 97     |
| 41) Hexachlorocyclopentadiene | 12.979 | 237  | 165791   | 89.99  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 13.261 | 196  | 104106   | 47.89  | ng    | 95       |

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| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.420 | 196  | 112420   | 52.27  | ng    | # 91     |
| 46) 1,1'-Biphenyl             | 13.631 | 154  | 286215   | 45.24  | ng    | 95       |
| 47) 2-Chloronaphthalene       | 13.678 | 162  | 224945   | 43.73  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.884 | 65   | 82245    | 43.27  | ng    | # 77     |
| 49) Acenaphthylene            | 14.518 | 152  | 354874   | 46.49  | ng    | 96       |
| 50) Dimethylphthalate         | 14.242 | 163  | 350884   | 49.11  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.366 | 165  | 73885    | 50.86  | ng    | # 62     |
| 52) Acenaphthene              | 14.859 | 154  | 291970m  | 54.23  | ng    |          |
| 53) 3-Nitroaniline            | 14.701 | 138  | 18824    | 13.08  | ng    | # 96     |
| 54) 2,4-Dinitrophenol         | 14.906 | 184  | 90054    | 96.77  | ng    | # 41     |
| 55) Dibenzofuran              | 15.188 | 168  | 366380   | 46.93  | ng    | # 80     |
| 56) 4-Nitrophenol             | 15.188 | 139  | 254489   | 245.24 | ng    | # 40     |
| 57) 2,4-Dinitrotoluene        | 15.147 | 165  | 110313   | 51.08  | ng    | # 67     |
| 58) Fluorene                  | 15.840 | 166  | 318909   | 48.10  | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.441 | 232  | 108683   | 49.47  | ng    | # 96     |
| 60) Diethylphthalate          | 15.594 | 149  | 332978   | 48.33  | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 15.823 | 204  | 195424   | 46.77  | ng    | 95       |
| 62) 4-Nitroaniline            | 15.864 | 138  | 65507    | 41.37  | ng    | # 24     |
| 63) Azobenzene                | 16.117 | 77   | 298696   | 46.50  | ng    | 87       |
| 65) 4,6-Dinitro-2-methylph... | 15.911 | 198  | 74967    | 52.90  | ng    | 87       |
| 66) n-Nitrosodiphenylamine    | 16.040 | 169  | 292234   | 46.04  | ng    | 97       |
| 67) 4-Bromophenyl-phenylether | 16.716 | 248  | 136318   | 45.74  | ng    | 93       |
| 68) Hexachlorobenzene         | 16.839 | 284  | 148006   | 45.78  | ng    | # 90     |
| 69) Atrazine                  | 16.980 | 200  | 117856   | 44.21  | ng    | 95       |
| 70) Pentachlorophenol         | 17.209 | 266  | 155356   | 68.34  | ng    | 97       |
| 71) Phenanthrene              | 17.580 | 178  | 565165   | 47.27  | ng    | 97       |
| 72) Anthracene                | 17.668 | 178  | 579028   | 49.94  | ng    | 99       |
| 73) Carbazole                 | 17.938 | 167  | 503151   | 49.57  | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.473 | 149  | 585780   | 48.96  | ng    | # 97     |
| 75) Fluoranthene              | 19.577 | 202  | 775906   | 48.40  | ng    | 93       |
| 77) Benzidine                 | 19.748 | 184  | 47915    | 7.75   | ng    | 94       |
| 78) Pyrene                    | 19.936 | 202  | 774260   | 46.99  | ng    | 95       |
| 80) Butylbenzylphthalate      | 20.805 | 149  | 255448   | 45.20  | ng    | # 83     |
| 81) Benzo(a)anthracene        | 21.792 | 228  | 770749   | 46.65  | ng    | 97       |
| 82) 3,3'-Dichlorobenzidine    | 21.698 | 252  | 111897   | 19.24  | ng    | # 93     |
| 83) Chrysene                  | 21.857 | 228  | 736229   | 47.18  | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.669 | 149  | 364475   | 46.80  | ng    | 97       |
| 85) Di-n-octyl phthalate      | 22.914 | 149  | 614769   | 46.55  | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.966 | 276  | 878920   | 48.51  | ng    | # 83     |
| 88) Benzo(b)fluoranthene      | 24.078 | 252  | 830353   | 50.46  | ng    | # 93     |
| 89) Benzo(k)fluoranthene      | 24.148 | 252  | 791450   | 49.61  | ng    | # 95     |
| 90) Benzo(a)pyrene            | 24.988 | 252  | 730412   | 47.71  | ng    | # 95     |
| 91) Dibenzo(a,h)anthracene    | 29.031 | 278  | 737055   | 50.20  | ng    | # 92     |
| 92) Benzo(g,h,i)perylene      | 30.171 | 276  | 733841   | 51.11  | ng    | # 89     |

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

