

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG012621\  
 Data File : BG048009.D  
 Acq On : 26 Jan 2021 16:28  
 Operator : CG/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040

Manual Integrations  
 APPROVED

mohammad  
 1/27/2021 1:08:20 PM

Quant Time: Jan 26 17:05:34 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG012521.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 25 19:39:42 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.133  | 152  | 46818    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.947 | 136  | 174615   | 20.00 | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.754 | 164  | 122066   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.492 | 188  | 295766   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.770 | 240  | 295932   | 20.00 | ng    | # 0.00   |
| 86) Perylene-d12              | 25.054 | 264  | 301994   | 20.00 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.682  | 112  | 240801   | 79.04 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.281  | 99   | 354450   | 76.53 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.296  | 82   | 358275   | 81.18 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.235 | 330  | 167280   | 82.28 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.379 | 172  | 787303   | 83.39 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.095 | 244  | 1382402  | 80.99 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.579  | 88   | 53360    | 39.29 | ng    | # 96     |
| 3) Pyridine                   | 3.979  | 79   | 162996   | 39.99 | ng    | 91       |
| 4) n-Nitrosodimethylamine     | 3.885  | 42   | 74138    | 39.36 | ng    | # 75     |
| 6) Aniline                    | 7.451  | 93   | 211907   | 37.87 | ng    | 95       |
| 8) 2-Chlorophenol             | 7.692  | 128  | 125389   | 39.32 | ng    | 93       |
| 9) Benzaldehyde               | 7.263  | 77   | 91855    | 38.66 | ng    | 88       |
| 10) Phenol                    | 7.304  | 94   | 173521   | 39.08 | ng    | 78       |
| 11) bis(2-Chloroethyl)ether   | 7.545  | 93   | 133934   | 38.52 | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 8.021  | 146  | 152849   | 39.71 | ng    | # 91     |
| 13) 1,4-Dichlorobenzene       | 8.168  | 146  | 154972   | 40.17 | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.491  | 146  | 144805   | 39.32 | ng    | 96       |
| 15) Benzyl Alcohol            | 8.362  | 79   | 147932   | 37.75 | ng    | # 88     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.661  | 45   | 181203   | 37.13 | ng    | 96       |
| 17) 2-Methylphenol            | 8.561  | 107  | 112896   | 37.62 | ng    | # 88     |
| 18) Hexachloroethane          | 9.225  | 117  | 58571    | 38.91 | ng    | 99       |
| 19) n-Nitroso-di-n-propyla... | 8.937  | 70   | 123240   | 36.45 | ng    | 94       |
| 20) 3+4-Methylphenols         | 8.890  | 107  | 157079   | 37.84 | ng    | 91       |
| 22) Acetophenone              | 8.955  | 105  | 213978   | 39.76 | ng    | # 93     |
| 24) Nitrobenzene              | 9.337  | 77   | 179887   | 40.70 | ng    | # 87     |
| 25) Isophorone                | 9.860  | 82   | 307044   | 38.77 | ng    | 93       |
| 26) 2-Nitrophenol             | 10.048 | 139  | 76118    | 41.86 | ng    | # 73     |
| 27) 2,4-Dimethylphenol        | 10.101 | 122  | 103615   | 39.21 | ng    | 89       |
| 28) bis(2-Chloroethoxy)met... | 10.342 | 93   | 190025   | 39.88 | ng    | 95       |
| 29) 2,4-Dichlorophenol        | 10.583 | 162  | 139388   | 41.00 | ng    | 95       |
| 30) 1,2,4-Trichlorobenzene    | 10.806 | 180  | 169324   | 41.20 | ng    | 97       |
| 31) Naphthalene               | 11.000 | 128  | 404632   | 40.08 | ng    | 99       |
| 32) Benzoic acid              | 10.224 | 122  | 101295   | 42.80 | ng    | # 72     |
| 33) 4-Chloroaniline           | 11.094 | 127  | 178035   | 38.58 | ng    | # 90     |
| 34) Hexachlorobutadiene       | 11.282 | 225  | 123409   | 42.27 | ng    | 98       |
| 35) Caprolactam               | 11.863 | 113  | 47122    | 36.41 | ng    | 96       |
| 36) 4-Chloro-3-methylphenol   | 12.204 | 107  | 146213   | 38.33 | ng    | 92       |
| 37) 2-Methylnaphthalene       | 12.592 | 142  | 304444   | 39.92 | ng    | # 96     |
| 38) 1-Methylnaphthalene       | 12.809 | 142  | 284193m  | 39.07 | ng    |          |
| 40) 1,2,4,5-Tetrachloroben... | 12.956 | 216  | 201261   | 43.25 | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.939 | 237  | 123508   | 46.86 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol     | 13.185 | 196  | 139664   | 43.03 | ng    | 97       |

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| 44) 2,4,5-Trichlorophenol     | 13.256 | 196  | 143323   | 42.61 | ng    | #        | 94  |
| 46) 1,1'-Biphenyl             | 13.591 | 154  | 396209   | 41.99 | ng    |          | 99  |
| 47) 2-Chloronaphthalene       | 13.638 | 162  | 341697   | 41.61 | ng    |          | 98  |
| 48) 2-Nitroaniline            | 13.826 | 65   | 122729   | 41.17 | ng    | #        | 79  |
| 49) Acenaphthylene            | 14.478 | 152  | 488941   | 40.34 | ng    |          | 99  |
| 50) Dimethylphthalate         | 14.202 | 163  | 449116   | 40.65 | ng    |          | 98  |
| 51) 2,6-Dinitrotoluene        | 14.319 | 165  | 93934    | 40.90 | ng    | #        | 74  |
| 52) Acenaphthene              | 14.819 | 154  | 334461   | 40.76 | ng    |          | 96  |
| 53) 3-Nitroaniline            | 14.648 | 138  | 98701    | 39.18 | ng    |          | 84  |
| 54) 2,4-Dinitrophenol         | 14.848 | 184  | 64126    | 44.65 | ng    | #        | 68  |
| 55) Dibenzofuran              | 15.148 | 168  | 507569   | 40.78 | ng    |          | 94  |
| 56) 4-Nitrophenol             | 14.936 | 139  | 78438    | 39.90 | ng    | #        | 56  |
| 57) 2,4-Dinitrotoluene        | 15.101 | 165  | 134248   | 40.47 | ng    | #        | 74  |
| 58) Fluorene                  | 15.800 | 166  | 397673   | 39.74 | ng    |          | 96  |
| 59) 2,3,4,6-Tetrachlorophenol | 15.371 | 232  | 139509   | 41.48 | ng    | #        | 96  |
| 60) Diethylphthalate          | 15.565 | 149  | 448660   | 39.50 | ng    |          | 93  |
| 61) 4-Chlorophenyl-phenyle... | 15.788 | 204  | 249259   | 40.68 | ng    |          | 97  |
| 62) 4-Nitroaniline            | 15.806 | 138  | 106230   | 38.71 | ng    | #        | 66  |
| 63) Azobenzene                | 16.082 | 77   | 420792   | 39.36 | ng    |          | 92  |
| 65) 4,6-Dinitro-2-methylph... | 15.865 | 198  | 83313    | 43.65 | ng    |          | 87  |
| 66) n-Nitrosodiphenylamine    | 16.000 | 169  | 362269   | 40.76 | ng    |          | 98  |
| 67) 4-Bromophenyl-phenylether | 16.681 | 248  | 166301   | 42.08 | ng    |          | 96  |
| 68) Hexachlorobenzene         | 16.799 | 284  | 177185   | 41.23 | ng    |          | 96  |
| 69) Atrazine                  | 16.940 | 200  | 136866   | 40.54 | ng    |          | 94  |
| 70) Pentachlorophenol         | 17.140 | 266  | 115062   | 44.09 | ng    |          | 95  |
| 71) Phenanthrene              | 17.539 | 178  | 694029   | 40.67 | ng    |          | 97  |
| 72) Anthracene                | 17.627 | 178  | 672422   | 40.07 | ng    |          | 96  |
| 73) Carbazole                 | 17.892 | 167  | 625667   | 39.95 | ng    |          | 98  |
| 74) Di-n-butylphthalate       | 18.450 | 149  | 755896   | 39.52 | ng    | #        | 98  |
| 75) Fluoranthene              | 19.537 | 202  | 889753   | 39.77 | ng    |          | 98  |
| 77) Benzidine                 | 19.713 | 184  | 364193   | 42.66 | ng    |          | 98  |
| 78) Pyrene                    | 19.901 | 202  | 888556   | 41.00 | ng    |          | 97  |
| 80) Butylbenzylphthalate      | 20.782 | 149  | 332536   | 40.17 | ng    |          | 90  |
| 81) Benzo(a)anthracene        | 21.752 | 228  | 869761   | 40.44 | ng    |          | 100 |
| 82) 3,3'-Dichlorobenzidine    | 21.658 | 252  | 305886   | 42.21 | ng    |          | 97  |
| 83) Chrysene                  | 21.817 | 228  | 834227   | 40.82 | ng    |          | 99  |
| 84) Bis(2-ethylhexyl)phtha... | 21.658 | 149  | 460250   | 40.60 | ng    |          | 96  |
| 85) Di-n-octyl phthalate      | 22.898 | 149  | 788693   | 41.59 | ng    |          | 97  |
| 87) Indeno(1,2,3-cd)pyrene    | 28.808 | 276  | 997500   | 41.06 | ng    | #        | 85  |
| 88) Benzo(b)fluoranthene      | 24.014 | 252  | 898504   | 41.86 | ng    | #        | 96  |
| 89) Benzo(k)fluoranthene      | 24.084 | 252  | 841301   | 40.34 | ng    | #        | 97  |
| 90) Benzo(a)pyrene            | 24.901 | 252  | 831085   | 41.23 | ng    | #        | 97  |
| 91) Dibenzo(a,h)anthracene    | 28.879 | 278  | 821559   | 40.98 | ng    | #        | 97  |
| 92) Benzo(g,h,i)perylene      | 29.983 | 276  | 790698   | 40.95 | ng    | #        | 93  |

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

