

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG102720\  
 Data File : BG047079.D  
 Acq On : 26 Oct 2020 18:03  
 Operator : CG/JU  
 Sample : SSTDICCC040  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDICCC040

Manual Integrations  
 APPROVED

mohammad  
 10/28/2020 8:05:39 AM

Quant Time: Oct 26 19:08:06 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG102720.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 26 18:52:34 2020  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.055  | 152  | 52534    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.869 | 136  | 213146   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.688 | 164  | 162718   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.432 | 188  | 421061   | 20.00 | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.704 | 240  | 430585   | 20.00 | ng    | # 0.00   |
| 86) Perylene-d12              | 24.935 | 264  | 438627   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 5) 2-Fluorophenol             | 5.611  | 112  | 214735   | 72.40 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.209  | 99   | 326554   | 77.66 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.218  | 82   | 319851   | 85.77 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.175 | 330  | 194394   | 88.17 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.313 | 172  | 813026   | 76.28 | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.041 | 244  | 1628577  | 80.49 | ng    | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.501  | 88   | 45639    | 36.99 | ng    | # 93     |
| 3) Pyridine                   | 3.895  | 79   | 139937   | 38.76 | ng    | 94       |
| 4) n-Nitrosodimethylamine     | 3.813  | 42   | 70150    | 52.68 | ng    | # 70     |
| 6) Aniline                    | 7.379  | 93   | 189471   | 40.04 | ng    | 96       |
| 8) 2-Chlorophenol             | 7.620  | 128  | 114234   | 36.44 | ng    | 91       |
| 9) Benzaldehyde               | 7.191  | 77   | 83171    | 35.31 | ng    | 91       |
| 10) Phenol                    | 7.238  | 94   | 150677   | 38.91 | ng    | 79       |
| 11) bis(2-Chloroethyl)ether   | 7.467  | 93   | 117742   | 37.82 | ng    | 96       |
| 12) 1,3-Dichlorobenzene       | 7.949  | 146  | 148612   | 37.34 | ng    | # 94     |
| 13) 1,4-Dichlorobenzene       | 8.090  | 146  | 149229   | 37.45 | ng    | 95       |
| 14) 1,2-Dichlorobenzene       | 8.413  | 146  | 141982   | 37.16 | ng    | 97       |
| 15) Benzyl Alcohol            | 8.290  | 79   | 129840   | 48.10 | ng    | # 89     |
| 16) 2,2'-oxybis(1-Chloropr... | 8.578  | 45   | 185599   | 38.44 | ng    | 98       |
| 17) 2-Methylphenol            | 8.496  | 107  | 103813   | 37.80 | ng    | # 86     |
| 18) Hexachloroethane          | 9.148  | 117  | 54822    | 40.58 | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 8.860  | 70   | 111530   | 44.34 | ng    | 90       |
| 20) 3+4-Methylphenols         | 8.819  | 107  | 147653   | 38.95 | ng    | 93       |
| 22) Acetophenone              | 8.878  | 105  | 205161   | 39.54 | ng    | # 91     |
| 24) Nitrobenzene              | 9.265  | 77   | 161632   | 43.87 | ng    | # 85     |
| 25) Isophorone                | 9.782  | 82   | 291679   | 42.66 | ng    | # 96     |
| 26) 2-Nitrophenol             | 9.976  | 139  | 73641    | 37.88 | ng    | # 69     |
| 27) 2,4-Dimethylphenol        | 10.029 | 122  | 101250   | 37.87 | ng    | 91       |
| 28) bis(2-Chloroethoxy)met... | 10.264 | 93   | 179245   | 40.73 | ng    | 96       |
| 29) 2,4-Dichlorophenol        | 10.511 | 162  | 140182   | 39.33 | ng    | 97       |
| 30) 1,2,4-Trichlorobenzene    | 10.728 | 180  | 167535   | 39.62 | ng    | 98       |
| 31) Naphthalene               | 10.922 | 128  | 395859   | 38.04 | ng    | 99       |
| 32) Benzoic acid              | 10.158 | 122  | 86300    | 52.08 | ng    | 88       |
| 33) 4-Chloroaniline           | 11.022 | 127  | 180425   | 39.32 | ng    | # 93     |
| 34) Hexachlorobutadiene       | 11.204 | 225  | 123300   | 44.92 | ng    | 96       |
| 35) Caprolactam               | 11.792 | 113  | 50004    | 37.53 | ng    | 90       |
| 36) 4-Chloro-3-methylphenol   | 12.138 | 107  | 144607   | 41.48 | ng    | 95       |
| 37) 2-Methylnaphthalene       | 12.520 | 142  | 310720   | 37.86 | ng    | # 95     |
| 38) 1-Methylnaphthalene       | 12.738 | 142  | 298731m  | 38.42 | ng    |          |
| 40) 1,2,4,5-Tetrachloroben... | 12.885 | 216  | 207347   | 38.64 | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.867 | 237  | 117923   | 50.54 | ng    | 94       |
| 43) 2,4,6-Trichlorophenol     | 13.120 | 196  | 141779   | 39.15 | ng    | 99       |

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|-------------------------------|--------|------|----------|-------|-------|----------|----|
| 44) 2,4,5-Trichlorophenol     | 13.190 | 196  | 143817   | 37.80 | ng    | #        | 95 |
| 46) 1,1'-Biphenyl             | 13.525 | 154  | 437124   | 38.61 | ng    |          | 94 |
| 47) 2-Chloronaphthalene       | 13.566 | 162  | 356961   | 37.19 | ng    |          | 97 |
| 48) 2-Nitroaniline            | 13.766 | 65   | 125696   | 47.16 | ng    | #        | 77 |
| 49) Acenaphthylene            | 14.412 | 152  | 525458   | 36.09 | ng    |          | 99 |
| 50) Dimethylphthalate         | 14.136 | 163  | 492533   | 39.13 | ng    |          | 98 |
| 51) 2,6-Dinitrotoluene        | 14.259 | 165  | 104947   | 37.82 | ng    | #        | 74 |
| 52) Acenaphthene              | 14.753 | 154  | 346783   | 38.43 | ng    |          | 96 |
| 53) 3-Nitroaniline            | 14.588 | 138  | 106671   | 35.49 | ng    |          | 83 |
| 54) 2,4-Dinitrophenol         | 14.794 | 184  | 70319    | 43.41 | ng    | #        | 79 |
| 55) Dibenzofuran              | 15.088 | 168  | 559138   | 38.61 | ng    |          | 96 |
| 56) 4-Nitrophenol             | 14.888 | 139  | 88857    | 40.17 | ng    | #        | 66 |
| 57) 2,4-Dinitrotoluene        | 15.047 | 165  | 155013   | 39.18 | ng    | #        | 85 |
| 58) Fluorene                  | 15.734 | 166  | 456780   | 37.59 | ng    |          | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.311 | 232  | 155330   | 42.04 | ng    |          | 97 |
| 60) Diethylphthalate          | 15.499 | 149  | 502235   | 40.92 | ng    |          | 96 |
| 61) 4-Chlorophenyl-phenyle... | 15.722 | 204  | 275905   | 41.22 | ng    |          | 99 |
| 62) 4-Nitroaniline            | 15.752 | 138  | 115861   | 36.53 | ng    | #        | 62 |
| 63) Azobenzene                | 16.016 | 77   | 440636   | 44.13 | ng    |          | 90 |
| 65) 4,6-Dinitro-2-methylph... | 15.811 | 198  | 95050    | 39.88 | ng    |          | 91 |
| 66) n-Nitrosodiphenylamine    | 15.940 | 169  | 428180   | 37.69 | ng    |          | 94 |
| 67) 4-Bromophenyl-phenylether | 16.621 | 248  | 194866   | 39.67 | ng    |          | 98 |
| 68) Hexachlorobenzene         | 16.739 | 284  | 205612   | 37.79 | ng    |          | 96 |
| 69) Atrazine                  | 16.880 | 200  | 183086   | 39.51 | ng    |          | 98 |
| 70) Pentachlorophenol         | 17.080 | 266  | 125455   | 44.14 | ng    |          | 99 |
| 71) Phenanthrene              | 17.479 | 178  | 795788   | 37.29 | ng    |          | 96 |
| 72) Anthracene                | 17.567 | 178  | 779154   | 37.00 | ng    |          | 98 |
| 73) Carbazole                 | 17.838 | 167  | 703771   | 35.40 | ng    |          | 98 |
| 74) Di-n-butylphthalate       | 18.390 | 149  | 870046   | 38.06 | ng    | #        | 97 |
| 75) Fluoranthene              | 19.483 | 202  | 1024342  | 37.30 | ng    |          | 96 |
| 77) Benzidine                 | 19.659 | 184  | 389797   | 38.96 | ng    |          | 99 |
| 78) Pyrene                    | 19.847 | 202  | 1018140  | 37.13 | ng    |          | 99 |
| 80) Butylbenzylphthalate      | 20.722 | 149  | 386822   | 36.17 | ng    |          | 92 |
| 81) Benzo(a)anthracene        | 21.686 | 228  | 1016908  | 37.89 | ng    |          | 99 |
| 82) 3,3'-Dichlorobenzidine    | 21.598 | 252  | 377285   | 37.88 | ng    |          | 97 |
| 83) Chrysene                  | 21.751 | 228  | 981175   | 38.01 | ng    |          | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 21.580 | 149  | 542522   | 37.17 | ng    |          | 95 |
| 85) Di-n-octyl phthalate      | 22.797 | 149  | 919271   | 36.78 | ng    |          | 96 |
| 87) Indeno(1,2,3-cd)pyrene    | 28.625 | 276  | 1156982  | 36.73 | ng    | #        | 88 |
| 88) Benzo(b)fluoranthene      | 23.913 | 252  | 1058598  | 38.65 | ng    | #        | 97 |
| 89) Benzo(k)fluoranthene      | 23.983 | 252  | 984971   | 37.21 | ng    | #        | 97 |
| 90) Benzo(a)pyrene            | 24.788 | 252  | 965824   | 37.79 | ng    | #        | 96 |
| 91) Dibenzo(a,h)anthracene    | 28.690 | 278  | 934418   | 36.76 | ng    | #        | 96 |
| 92) Benzo(g,h,i)perylene      | 29.788 | 276  | 932890   | 36.75 | ng    | #        | 92 |

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

