Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031919\
Data File : BG040006.D
Acq On : 19 Mar 2019 17:19
Operator : JU/SJ
Sample : PB118005BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB118005BS

**Manual Integrations APPROVED**
Sohil
3/20/2019 4:59:13 PM

Quant Time: Mar 20 04:31:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 04 14:38:15 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.14 | 152 | 47121 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 10.96 | 136 | 203092 | 20.00 | ng | | -0.03 |
| 39) Acenaphthene-d10 | 14.77 | 164 | 133036 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.52 | 188 | 311621 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.81 | 240 | 326200 | 20.00 | ng | | -0.02 |
| 87) Perylene-d12 | 25.17 | 264 | 320829 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.69 | 112 | 381721 | 138.20 | ng | | -0.01 |
| 7) Phenol-d6 | 7.30 | 99 | 520132 | 126.29 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 9.32 | 82 | 305351 | 81.32 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 16.26 | 330 | 193666 | 124.89 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 13.40 | 172 | 704354 | 75.38 | ng | | -0.02 |
| 79) Terphenyl-d14 | 20.11 | 244 | 1110896 | 74.98 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.57 | 88 | 40073 | 31.426 | ng | | 97 |
| 3) Pyridine | 3.98 | 79 | 89728 | 26.284 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.90 | 42 | 65682 | 40.557 | ng | # | 98 |
| 6) Aniline | 7.47 | 93 | 170066 | 31.519 | ng | | 98 |
| 8) 2-Chlorophenol | 7.71 | 128 | 130798 | 39.034 | ng | | 99 |
| 9) Benzaldehyde | 7.29 | 77 | 74856 | 28.177 | ng | | 99 |
| 10) Phenol | 7.33 | 94 | 177975 | 39.891 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.56 | 93 | 128359 | 36.900 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 8.03 | 146 | 136910 | 36.126 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.18 | 146 | 140432 | 36.379 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.50 | 146 | 135607 | 36.359 | ng | | 96 |
| 15) Benzyl Alcohol | 8.38 | 79 | 126018 | 38.574 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.67 | 45 | 268202 | 38.551 | ng | | 99 |
| 17) 2-Methylphenol | 8.58 | 107 | 113863 | 40.024 | ng | | 99 |
| 18) Hexachloroethane | 9.22 | 117 | 50962 | 36.793 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.95 | 70 | 103801 | 35.017 | ng | | 95 |
| 20) 3+4-Methylphenols | 8.91 | 107 | 151967 | 38.452 | ng | | 98 |
| 22) Acetophenone | 8.97 | 105 | 198226 | 36.366 | ng | # | 98 |
| 24) Nitrobenzene | 9.37 | 77 | 157813 | 40.060 | ng | | 99 |
| 25) Isophorone | 9.88 | 82 | 295758 | 37.589 | ng | | 99 |
| 26) 2-Nitrophenol | 10.07 | 139 | 75619 | 39.757 | ng | # | 93 |
| 27) 2,4-Dimethylphenol | 10.12 | 122 | 131063 | 44.306 | ng | | 92 |
| 28) bis(2-Chloroethoxy)methane | 10.36 | 93 | 175874 | 36.782 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 10.60 | 162 | 140391 | 42.153 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.82 | 180 | 145427 | 38.804 | ng | | 98 |
| 31) Naphthalene | 11.02 | 128 | 412182 | 38.332 | ng | | 99 |
| 32) Benzoic acid | 10.26 | 122 | 68471 | 35.676 | ng | | 92 |
| 33) 4-Chloroaniline | 11.13 | 127 | 102287 | 22.433 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.27 | 225 | 97432 | 38.045 | ng | | 94 |
| 35) Caprolactam | 11.92 | 113 | 46472m | 36.527 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.23 | 107 | 149853 | 39.250 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.61 | 142 | 305267 | 37.973 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.83 | 142 | 293484 | 37.566 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.97 | 216 | 168773 | 37.448 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.94 | 237 | 229259 | 94.920 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.21 | 196 | 113848 | 43.147 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 13.28 | 196 | 121908 | 40.989 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.61 | 154 | 411662 | 37.622 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.65 | 162 | 315726 | 38.355 | ng | | 98 |
| 48) 2-Nitroaniline | 13.87 | 65 | 109003 | 41.205 | ng | | 98 |
| 49) Acenaphthylene | 14.50 | 152 | 508904 | 37.660 | ng | | 98 |
| 50) Dimethylphthalate | 14.22 | 163 | 416858 | 37.473 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.35 | 165 | 95263 | 40.395 | ng | | 98 |
| 52) Acenaphthene | 14.83 | 154 | 307069 | 37.755 | ng | | 99 |
| 53) 3-Nitroaniline | 14.69 | 138 | 66751 | 28.158 | ng | # | 97 |
| 54) 2,4-Dinitrophenol | 14.89 | 184 | 119324 | 80.217 | ng | | 97 |
| 55) Dibenzofuran | 15.17 | 168 | 502607 | 37.665 | ng | | 98 |
| 56) 4-Nitrophenol | 14.99 | 139 | 158530 | 74.755 | ng | | 91 |
| 57) 2,4-Dinitrotoluene | 15.13 | 165 | 134550 | 40.604 | ng | | 92 |
| 58) Fluorene | 15.82 | 166 | 391939 | 37.363 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.39 | 232 | 119194 | 41.036 | ng | | 100 |
| 60) Diethylphthalate | 15.57 | 149 | 424487 | 38.547 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.80 | 204 | 209604 | 37.444 | ng | | 99 |
| 62) 4-Nitroaniline | 15.85 | 138 | 99025 | 38.531 | ng | | 97 |
| 63) Azobenzene | 16.10 | 77 | 391914 | 39.261 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.89 | 198 | 82781 | 44.928 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 16.02 | 169 | 366990 | 40.679 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.70 | 248 | 136192 | 39.045 | ng | | 95 |
| 68) Hexachlorobenzene | 16.81 | 284 | 139120 | 38.477 | ng | | 98 |
| 69) Atrazine | 16.96 | 200 | 138722 | 39.071 | ng | | 97 |
| 70) Pentachlorophenol | 17.16 | 266 | 180386 | 78.997 | ng | | 98 |
| 71) Phenanthrene | 17.56 | 178 | 660216 | 38.464 | ng | | 99 |
| 72) Anthracene | 17.65 | 178 | 669065 | 40.000 | ng | | 98 |
| 73) Carbazole | 17.92 | 167 | 590990 | 39.192 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.45 | 149 | 723267 | 40.766 | ng | | 99 |
| 75) Fluoranthene | 19.56 | 202 | 802834 | 39.577 | ng | | 98 |
| 77) Benzidine | 19.74 | 184 | 389887 | 37.666 | ng | | 100 |
| 78) Pyrene | 19.93 | 202 | 796240 | 37.564 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.79 | 149 | 349737 | 42.588 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.78 | 228 | 789864 | 38.636 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.70 | 252 | 205729 | 27.563 | ng | | 98 |
| 83) Chrysene | 21.85 | 228 | 751693 | 37.926 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.65 | 149 | 489076 | 42.381 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.90 | 149 | 833594 | 43.626 | ng | | 96 |
| 86) Indeno(1,2,3-cd)pyrene | 29.03 | 276 | 905495 | 40.272 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 24.09 | 252 | 801577m | 41.898 | ng | | |
| 89) Benzo(k)fluoranthene | 24.16 | 252 | 750995 | 42.170 | ng | | 99 |
| 90) Benzo(a)pyrene | 25.01 | 252 | 772734 | 43.710 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 29.10 | 278 | 730729 | 42.162 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 30.27 | 276 | 750375 | 43.109 | ng | | 95 |

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

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