Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG082219\
Data File : BG042405.D
Acq On : 22 Aug 2019 17:40
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Jagrut
8/23/2019 2:54:19 PM

Quant Time: Aug 23 03:32:22 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 14:29:15 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.00 | 152 | 50029 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.82 | 136 | 207522 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.67 | 164 | 155204 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.42 | 188 | 361180 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.69 | 240 | 352296 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.94 | 264 | 429070 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.56 | 112 | 198241 | 80.25 | ng | | 0.00 |
| 7) Phenol-d6 | 7.17 | 99 | 270115 | 80.95 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.17 | 82 | 242674 | 80.81 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.16 | 330 | 178079 | 80.73 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.28 | 172 | 767096 | 83.59 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.03 | 244 | 1356599 | 83.25 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.42 | 88 | 42239 | 40.974 | ng | | 98 |
| 3) Pyridine | 3.83 | 79 | 108664 | 41.108 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.74 | 42 | 36779 | 38.956 | ng | | 94 |
| 6) Aniline | 7.32 | 93 | 178886 | 40.195 | ng | | 100 |
| 8) 2-Chlorophenol | 7.57 | 128 | 121471 | 40.575 | ng | | 98 |
| 9) Benzaldehyde | 7.13 | 77 | 61842 | 37.020 | ng | | 99 |
| 10) Phenol | 7.19 | 94 | 136413 | 40.209 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.42 | 93 | 106359 | 39.919 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.89 | 146 | 154346 | 40.528 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.04 | 146 | 154499 | 40.050 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.36 | 146 | 148362 | 40.160 | ng | | 99 |
| 15) Benzyl Alcohol | 8.24 | 79 | 93084 | 38.776 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.54 | 45 | 142548 | 39.473 | ng | | 98 |
| 17) 2-Methylphenol | 8.46 | 107 | 100441 | 40.196 | ng | | 97 |
| 18) Hexachloroethane | 9.10 | 117 | 52116 | 39.463 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 8.81 | 70 | 86958 | 40.227 | ng | | 95 |
| 20) 3+4-Methylphenols | 8.78 | 107 | 140793 | 40.718 | ng | | 95 |
| 22) Acetophenone | 8.83 | 105 | 181137 | 40.810 | ng | # | 96 |
| 24) Nitrobenzene | 9.21 | 77 | 122738 | 40.361 | ng | | 98 |
| 25) Isophorone | 9.74 | 82 | 236709 | 39.940 | ng | | 99 |
| 26) 2-Nitrophenol | 9.93 | 139 | 75869 | 39.812 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.99 | 122 | 105001 | 39.999 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.22 | 93 | 152764 | 40.896 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.48 | 162 | 141403 | 41.171 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.69 | 180 | 171018 | 40.567 | ng | | 96 |
| 31) Naphthalene | 10.88 | 128 | 394492 | 40.945 | ng | | 99 |
| 32) Benzoic acid | 10.14 | 122 | 58822 | 33.790 | ng | | 96 |
| 33) 4-Chloroaniline | 10.98 | 127 | 180769 | 40.644 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.17 | 225 | 114611 | 40.453 | ng | | 97 |
| 35) Caprolactam | 11.76 | 113 | 46584 | 40.648 | ng | | 93 |
| 36) 4-Chloro-3-methylphenol | 12.12 | 107 | 132664 | 40.690 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.49 | 142 | 320121 | 41.379 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.70 | 142 | 301984 | 41.095 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.86 | 216 | 203110 | 40.751 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.84 | 237 | 101231 | 38.666 ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 13.10 | 196 | 137322 | 40.761 ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 13.18 | 196 | 142859 | 40.920 ng | | 96 |
| 46) 1,1'-Biphenyl | 13.50 | 154 | 412540 | 41.120 ng | | 99 |
| 47) 2-Chloronaphthalene | 13.54 | 162 | 354476 | 40.977 ng | | 97 |
| 48) 2-Nitroaniline | 13.74 | 65 | 85099 | 40.794 ng | | 99 |
| 49) Acenaphthylene | 14.38 | 152 | 539588 | 41.460 ng | | 100 |
| 50) Dimethylphthalate | 14.11 | 163 | 463483 | 41.388 ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.23 | 165 | 107043 | 41.238 ng | | 96 |
| 52) Acenaphthene | 14.73 | 154 | 326752 | 41.347 ng | | 99 |
| 53) 3-Nitroaniline | 14.57 | 138 | 106556 | 41.046 ng | | 99 |
| 54) 2,4-Dinitrophenol | 14.78 | 184 | 61559 | 38.689 ng | | 97 |
| 55) Dibenzofuran | 15.06 | 168 | 543002 | 41.510 ng | | 98 |
| 56) 4-Nitrophenol | 14.89 | 139 | 75195 | 40.764 ng | | 97 |
| 57) 2,4-Dinitrotoluene | 15.02 | 165 | 151902 | 40.866 ng | | 96 |
| 58) Fluorene | 15.71 | 166 | 441672 | 41.304 ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.29 | 232 | 139674m | 40.456 ng | | |
| 60) Diethylphthalate | 15.48 | 149 | 447155 | 40.847 ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.71 | 204 | 266982 | 41.418 ng | | 98 |
| 62) 4-Nitroaniline | 15.73 | 138 | 115699 | 41.643 ng | | 98 |
| 63) Azobenzene | 16.00 | 77 | 309362 | 41.241 ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.79 | 198 | 91488 | 40.402 ng | | 98 |
| 66) n-Nitrosodiphenylamine | 15.92 | 169 | 407785 | 41.055 ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.60 | 248 | 183824 | 40.125 ng | | 99 |
| 68) Hexachlorobenzene | 16.73 | 284 | 200522 | 40.263 ng | | 98 |
| 69) Atrazine | 16.87 | 200 | 130699 | 37.210 ng | | 99 |
| 70) Pentachlorophenol | 17.07 | 266 | 105442 | 40.748 ng | | 99 |
| 71) Phenanthrene | 17.46 | 178 | 744015 | 41.471 ng | | 99 |
| 72) Anthracene | 17.55 | 178 | 737761 | 41.193 ng | | 99 |
| 73) Carbazole | 17.82 | 167 | 662214 | 41.487 ng | | 100 |
| 74) Di-n-butylphthalate | 18.37 | 149 | 780540 | 41.367 ng | | 100 |
| 75) Fluoranthene | 19.47 | 202 | 925871 | 42.287 ng | | 98 |
| 77) Benzidine | 19.65 | 184 | 469015 | 46.435 ng | | 100 |
| 78) Pyrene | 19.83 | 202 | 926387 | 42.890 ng | | 99 |
| 80) Butylbenzylphthalate | 20.71 | 149 | 353296 | 41.587 ng | | 99 |
| 81) Benzo(a)anthracene | 21.67 | 228 | 902295 | 42.103 ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.59 | 252 | 361805 | 41.977 ng | | 100 |
| 83) Chrysene | 21.74 | 228 | 859609 | 41.591 ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.58 | 149 | 496351 | 42.080 ng | | 99 |
| 85) Di-n-octyl phthalate | 22.80 | 149 | 856791 | 42.233 ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 28.64 | 276 | 1156142 | 41.162 ng | # | 95 |
| 88) Benzo(b)fluoranthene | 23.91 | 252 | 982404 | 41.647 ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.98 | 252 | 958701 | 42.282 ng | | 100 |
| 90) Benzo(a)pyrene | 24.79 | 252 | 940664 | 42.025 ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.71 | 278 | 939755 | 41.465 ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.81 | 276 | 935244 | 41.260 ng | | 98 |

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

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