Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041018\
Data File : BG033710.D
Acq On : 10 Apr 2018 12:58
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
Sohil
4/11/2018 5:18:15 PM

Quant Time: Apr 10 17:03:40 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 10 16:51:36 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.86 | 152 | 33841 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.74 | 136 | 139354 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 15.47 | 164 | 103443 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 18.21 | 188 | 283129 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 22.55 | 240 | 292530 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 26.31 | 264 | 319019 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.28 | 112 | 151450 | 83.92 | ng | | 0.00 |
| 7) Phenol-d6 | 7.97 | 99 | 234239 | 75.54 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 10.06 | 82 | 242865 | 80.07 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.95 | 330 | 116955 | 75.60 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 14.10 | 172 | 555173 | 77.48 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.73 | 244 | 1028809 | 75.21 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.92 | 88 | 39275 | 42.853 | ng | | 88 |
| 3) Pyridine | 4.39 | 79 | 107275 | 42.341 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 4.30 | 42 | 45134 | 43.409 | ng | # | 87 |
| 6) Aniline | 8.15 | 93 | 145465 | 39.890 | ng | # | 96 |
| 8) 2-Chlorophenol | 8.40 | 128 | 81037 | 39.277 | ng | | 98 |
| 9) Benzaldehyde | 7.96 | 77 | 64284m | 32.621 | ng | | |
| 10) Phenol | 8.00 | 94 | 116196 | 37.953 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 8.23 | 93 | 87481 | 35.007 | ng | | 89 |
| 12) 1,3-Dichlorobenzene | 8.74 | 146 | 105269 | 39.026 | ng | | 92 |
| 13) 1,4-Dichlorobenzene | 8.89 | 146 | 100522 | 37.211 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 9.22 | 146 | 101278 | 38.413 | ng | | 96 |
| 15) Benzyl Alcohol | 9.09 | 79 | 96057 | 39.344 | ng | | 90 |
| 16) 2,2'-oxybis(1-Chloropropan | 9.37 | 45 | 168693 | 41.409 | ng | | 88 |
| 17) 2-Methylphenol | 9.29 | 107 | 77248m | 37.038 | ng | | |
| 18) Hexachloroethane | 9.97 | 117 | 40430 | 38.777 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 9.66 | 70 | 90612 | 39.878 | ng | | 99 |
| 20) 3+4-Methylphenols | 9.63 | 107 | 110865 | 37.334 | ng | | 89 |
| 22) Acetophenone | 9.70 | 105 | 157359 | 41.217 | ng | # | 98 |
| 24) Nitrobenzene | 10.10 | 77 | 127742 | 39.347 | ng | | 92 |
| 25) Isophorone | 10.61 | 82 | 245490 | 41.702 | ng | | 99 |
| 26) 2-Nitrophenol | 10.83 | 139 | 51060 | 41.542 | ng | # | 92 |
| 27) 2,4-Dimethylphenol | 10.86 | 122 | 75701 | 42.396 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 11.10 | 93 | 115525 | 39.331 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 11.37 | 162 | 89562 | 40.786 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 11.59 | 180 | 109221 | 38.283 | ng | | 98 |
| 31) Naphthalene | 11.79 | 128 | 286043 | 39.611 | ng | | 98 |
| 32) Benzoic acid | 11.00 | 122 | 62711m | 37.781 | ng | | |
| 33) 4-Chloroaniline | 11.89 | 127 | 123533 | 38.182 | ng | # | 89 |
| 34) Hexachlorobutadiene | 12.05 | 225 | 82391 | 38.188 | ng | | 90 |
| 35) Caprolactam | 12.62 | 113 | 40373 | 46.931 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 12.95 | 107 | 110486 | 38.578 | ng | | 97 |
| 37) 2-Methylnaphthalene | 13.34 | 142 | 210412 | 37.540 | ng | | 90 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.69 | 216 | 139635 | 37.266 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 13.67 | 237 | 72273 | 32.903 | ng | | 92 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.92 | 196 | 84073 | 38.619 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 14.00 | 196 | 92067 | 35.779 | ng | | 98 |
| 45) 1,1'-Biphenyl | 14.32 | 154 | 316627 | 39.841 | ng | | 98 |
| 46) 2-Chloronaphthalene | 14.37 | 162 | 239008 | 39.004 | ng | | 95 |
| 47) 2-Nitroaniline | 14.56 | 65 | 99360 | 43.291 | ng | | 88 |
| 48) Acenaphthylene | 15.20 | 152 | 409552 | 40.041 | ng | | 98 |
| 49) Dimethylphthalate | 14.90 | 163 | 370482 | 41.154 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 15.03 | 165 | 76667 | 41.650 | ng | | 96 |
| 51) Acenaphthene | 15.54 | 154 | 264394 | 40.098 | ng | | 96 |
| 52) 3-Nitroaniline | 15.37 | 138 | 77778 | 40.303 | ng | # | 97 |
| 53) 2,4-Dinitrophenol | 15.57 | 184 | 26803 | 33.074 | ng | | 87 |
| 54) Dibenzofuran | 15.87 | 168 | 380641 | 39.082 | ng | | 94 |
| 55) 4-Nitrophenol | 15.66 | 139 | 52562 | 38.734 | ng | # | 79 |
| 56) 2,4-Dinitrotoluene | 15.81 | 165 | 111692 | 41.210 | ng | | 95 |
| 57) Fluorene | 16.51 | 166 | 332367 | 40.057 | ng | | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 16.08 | 232 | 95810 | 39.551 | ng | | 95 |
| 59) Diethylphthalate | 16.24 | 149 | 374952 | 42.893 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 16.48 | 204 | 182758 | 38.316 | ng | | 99 |
| 61) 4-Nitroaniline | 16.52 | 138 | 85596 | 43.800 | ng | | 89 |
| 62) Azobenzene | 16.78 | 77 | 347402 | 41.026 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 16.57 | 198 | 69185 | 40.847 | ng | | 95 |
| 65) n-Nitrosodiphenylamine | 16.70 | 169 | 307860 | 38.088 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 17.38 | 248 | 120667 | 36.290 | ng | | 93 |
| 67) Hexachlorobenzene | 17.51 | 284 | 127998 | 36.475 | ng | | 94 |
| 68) Atrazine | 17.61 | 200 | 133329 | 40.707 | ng | | 95 |
| 69) Pentachlorophenol | 17.84 | 266 | 79596 | 33.047 | ng | | 96 |
| 70) Phenanthrene | 18.25 | 178 | 565005 | 38.317 | ng | | 99 |
| 71) Anthracene | 18.34 | 178 | 566827 | 37.966 | ng | | 100 |
| 72) Carbazole | 18.60 | 167 | 535050 | 40.442 | ng | | 97 |
| 73) Di-n-butylphthalate | 19.09 | 149 | 653950 | 42.466 | ng | # | 99 |
| 74) Fluoranthene | 20.20 | 202 | 716858 | 39.286 | ng | | 98 |
| 76) Benzidine | 20.36 | 184 | 332149 | 41.869 | ng | | 99 |
| 77) Pyrene | 20.56 | 202 | 734409 | 37.643 | ng | | 99 |
| 79) Butylbenzylphthalate | 21.41 | 149 | 294617 | 40.921 | ng | | 99 |
| 80) Benzo(a)anthracene | 22.53 | 228 | 709778 | 38.105 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 22.42 | 252 | 265441 | 40.046 | ng | # | 97 |
| 82) Chrysene | 22.61 | 228 | 689529 | 38.241 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 22.35 | 149 | 425174 | 42.840 | ng | | 97 |
| 84) Di-n-octyl phthalate | 23.74 | 149 | 681588 | 44.853 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 30.68 | 276 | 786314 | 40.334 | ng | # | 90 |
| 87) Benzo(b)fluoranthene | 25.10 | 252 | 677323 | 36.749 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 25.18 | 252 | 706061 | 37.877 | ng | | 99 |
| 89) Benzo(a)pyrene | 26.13 | 252 | 670424 | 37.877 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 30.75 | 278 | 655431 | 39.311 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 32.05 | 276 | 637699 | 38.625 | ng | | 98 |

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

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