Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022916\
Data File : BG021152.D
Acq On : 29 Feb 2016 12:56
Operator : UM/SJ
Sample : SSTDICC02.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC02.5

Manual Integrations APPROVED
Sohil
3/1/2016 3:01:03 PM

Quant Time: Feb 29 17:43:32 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 29 15:23:45 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.15 | 152 | 9003 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.96 | 136 | 42322 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.76 | 164 | 28496 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.50 | 188 | 72615 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.76 | 240 | 80813 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.04 | 264 | 72613 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.70 | 112 | 2603 | 5.06 | ng | | 0.00 |
| 7) Phenol-d6 | 7.29 | 99 | 4010 | 5.24 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.31 | 82 | 4720 | 5.31 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 16.24 | 330 | 1344 | 3.60 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.39 | 172 | 9661 | 4.34 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.09 | 244 | 15823 | 4.58 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Pyridine | 4.00 | 79 | 1604 | 2.30 | ng | # | 81 |
| 6) Aniline | 7.47 | 93 | 2888 | 3.05 | ng | # | 90 |
| 8) 2-Chlorophenol | 7.71 | 128 | 1574 | 2.45 | ng | # | 69 |
| 9) Benzaldehyde | 7.29 | 77 | 1601 | 3.86 | ng | # | 69 |
| 10) Phenol | 7.32 | 94 | 2274 | 2.90 | ng | | 85 |
| 11) bis(2-Chloroethyl)ether | 7.57 | 93 | 1804 | 3.00 | ng | | 89 |
| 12) 1,3-Dichlorobenzene | 8.04 | 146 | 1721m | 2.52 | ng | | |
| 13) 1,4-Dichlorobenzene | 8.19 | 146 | 1860 | 2.55 | ng | | 92 |
| 14) 1,2-Dichlorobenzene | 8.51 | 146 | 1659 | 2.40 | ng | | 89 |
| 15) Benzyl Alcohol | 8.38 | 79 | 1776 | 2.66 | ng | | 89 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.68 | 45 | 3236 | 4.70 | ng | | 85 |
| 17) 2-Methylphenol | 8.58 | 107 | 1453 | 2.63 | ng | | 87 |
| 18) Hexachloroethane | 9.23 | 117 | 725 | 2.63 | ng | # | 72 |
| 19) n-Nitroso-di-n-propylamine | 8.95 | 70 | 1900 | 3.22 | ng | # | 87 |
| 20) 3+4-Methylphenols | 8.90 | 107 | 2127 | 2.77 | ng | | 91 |
| 22) Acetophenone | 8.97 | 105 | 3263 | 2.79 | ng | # | 88 |
| 24) Nitrobenzene | 9.36 | 77 | 2798 | 3.05 | ng | # | 71 |
| 25) Isophorone | 9.88 | 82 | 5475 | 3.29 | ng | | 96 |
| 26) 2-Nitrophenol | 10.07 | 139 | 862 | 2.22 | ng | # | 81 |
| 27) 2,4-Dimethylphenol | 10.11 | 122 | 1543 | 2.25 | ng | | 87 |
| 28) bis(2-Chloroethoxy)methane | 10.36 | 93 | 2641 | 3.26 | ng | # | 90 |
| 29) 2,4-Dichlorophenol | 10.60 | 162 | 1647 | 2.46 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 10.83 | 180 | 1629 | 2.15 | ng | | 96 |
| 31) Naphthalene | 11.01 | 128 | 5656 | 2.60 | ng | | 99 |
| 33) 4-Chloroaniline | 11.12 | 127 | 2471 | 2.72 | ng | # | 91 |
| 35) Caprolactam | 11.85 | 113 | 749 | 3.31 | ng | # | 80 |
| 36) 4-Chloro-3-methylphenol | 12.21 | 107 | 2291 | 2.79 | ng | | 93 |
| 37) 2-Methylnaphthalene | 12.61 | 142 | 4160 | 2.72 | ng | # | 81 |
| 42) 2,4,6-Trichlorophenol | 13.20 | 196 | 1628 | 2.47 | ng | | 91 |
| 43) 2,4,5-Trichlorophenol | 13.26 | 196 | 1702 | 2.51 | ng | # | 84 |
| 45) 1,1'-Biphenyl | 13.60 | 154 | 5744 | 2.39 | ng | | 94 |
| 46) 2-Chloronaphthalene | 13.64 | 162 | 4207 | 2.31 | ng | | 91 |
| 47) 2-Nitroaniline | 13.83 | 65 | 2034 | 3.45 | ng | # | 65 |
| 48) Acenaphthylene | 14.49 | 152 | 7278 | 2.53 | ng | # | 90 |

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022916\
Data File : BG021152.D
Acq On : 29 Feb 2016 12:56
Operator : UM/SJ
Sample : SSTDICC02.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC02.5

Manual Integrations APPROVED
Sohil
3/1/2016 3:01:03 PM

Quant Time: Feb 29 17:43:32 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 29 15:23:45 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 49) Dimethylphthalate | 14.21 | 163 | 6431 | 2.62 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.32 | 165 | 1216 | 2.41 | ng | # | 65 |
| 51) Acenaphthene | 14.82 | 154 | 4500 | 2.29 | ng | | 90 |
| 52) 3-Nitroaniline | 14.66 | 138 | 1397 | 2.84 | ng | # | 52 |
| 54) Dibenzofuran | 15.16 | 168 | 6271 | 2.52 | ng | | 91 |
| 55) 4-Nitrophenol | 14.94 | 139 | 1102 | 2.53 | ng | # | 36 |
| 56) 2,4-Dinitrotoluene | 15.11 | 165 | 1797 | 2.48 | ng | # | 66 |
| 57) Fluorene | 15.80 | 166 | 6125 | 2.53 | ng | | 92 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.38 | 232 | 1271 | 2.16 | ng | # | 99 |
| 59) Diethylphthalate | 15.56 | 149 | 7339 | 2.84 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.79 | 204 | 2943 | 2.21 | ng | # | 81 |
| 61) 4-Nitroaniline | 15.80 | 138 | 1428 | 2.55 | ng | # | 63 |
| 62) Azobenzene | 16.08 | 77 | 7698 | 3.43 | ng | | 91 |
| 65) n-Nitrosodiphenylamine | 16.00 | 169 | 5356 | 2.50 | ng | | 94 |
| 66) 4-Bromophenyl-phenylether | 16.68 | 248 | 1822 | 2.13 | ng | | 89 |
| 68) Atrazine | 16.94 | 200 | 2102 | 2.65 | ng | | 94 |
| 70) Phenanthrene | 17.54 | 178 | 9909 | 2.54 | ng | | 98 |
| 71) Anthracene | 17.63 | 178 | 9972 | 2.53 | ng | | 96 |
| 72) Carbazole | 17.89 | 167 | 8842 | 2.60 | ng | | 95 |
| 73) Di-n-butylphthalate | 18.45 | 149 | 12135 | 2.71 | ng | # | 98 |
| 74) Fluoranthene | 19.53 | 202 | 11556 | 2.36 | ng | | 99 |
| 76) Benzidine | 19.71 | 184 | 5367 | 2.52 | ng | | 100 |
| 77) Pyrene | 19.89 | 202 | 11909 | 2.66 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.77 | 149 | 5995 | 3.21 | ng | # | 80 |
| 80) Benzo(a)anthracene | 21.74 | 228 | 12047 | 2.59 | ng | | 93 |
| 81) 3,3'-Dichlorobenzidine | 21.65 | 252 | 4642 | 2.55 | ng | # | 89 |
| 82) Chrysene | 21.81 | 228 | 11380 | 2.54 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 21.64 | 149 | 8524 | 2.96 | ng | | 98 |
| 84) Di-n-octyl phthalate | 22.87 | 149 | 14356 | 2.97 | ng | # | 94 |
| 85) Indeno(1,2,3-cd)pyrene | 28.76 | 276 | 15649 | 2.90 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 23.99 | 252 | 11368m | 2.50 | ng | | |
| 88) Benzo(k)fluoranthene | 24.06 | 252 | 12140 | 2.71 | ng | | 96 |
| 89) Benzo(a)pyrene | 24.87 | 252 | 11466 | 2.63 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 28.83 | 278 | 12741 | 2.90 | ng | | 95 |
| 91) Benzo(g,h,i)perylene | 29.93 | 276 | 12801 | 3.03 | ng | # | 94 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022916\
Data File : BG021152.D
Acq On : 29 Feb 2016 12:56
Operator : UM/SJ
Sample : SSTDICC02.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 29 17:43:32 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 29 15:23:45 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDICC02.5

**Manual Integrations APPROVED**
Sohil
3/1/2016 3:01:03 PM