Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG121117\
Data File : BG031468.D
Acq On : 11 Dec 2017 23:37
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Sohil
12/12/2017 3:55:19 PM

Quant Time: Dec 12 04:41:52 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 11 17:25:55 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.11 | 152 | 52747 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.92 | 136 | 245797 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.73 | 164 | 174091 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.47 | 188 | 439206 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.74 | 240 | 477909 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.02 | 264 | 474856 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.67 | 112 | 239928 | 80.63 | ng | | 0.00 |
| 7) Phenol-d6 | 7.27 | 99 | 322578 | 78.08 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.27 | 82 | 300192 | 75.28 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.22 | 330 | 164759 | 80.78 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.35 | 172 | 880166 | 74.21 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.06 | 244 | 1579475 | 75.19 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 52055 | 36.662 | ng | | 85 |
| 3) Pyridine | 3.92 | 79 | 145689 | 38.971 | ng | | 89 |
| 4) n-Nitrosodimethylamine | 3.84 | 42 | 66751 | 37.908 | ng | # | 91 |
| 6) Aniline | 7.43 | 93 | 208485 | 38.321 | ng | | 95 |
| 8) 2-Chlorophenol | 7.67 | 128 | 130457 | 39.302 | ng | | 90 |
| 9) Benzaldehyde | 7.25 | 77 | 89087 | 37.204 | ng | | 86 |
| 10) Phenol | 7.30 | 94 | 168259 | 39.648 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 7.52 | 93 | 133850 | 38.643 | ng | | 89 |
| 12) 1,3-Dichlorobenzene | 8.00 | 146 | 151184 | 38.300 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.15 | 146 | 154474 | 37.654 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.46 | 146 | 148462 | 37.989 | ng | | 96 |
| 15) Benzyl Alcohol | 8.35 | 79 | 116484 | 36.045 | ng | | 91 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.63 | 45 | 169858m | 43.651 | ng | | |
| 17) 2-Methylphenol | 8.56 | 107 | 113730 | 39.314 | ng | | 97 |
| 18) Hexachloroethane | 9.19 | 117 | 53257 | 38.512 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.91 | 70 | 117189 | 36.041 | ng | # | 95 |
| 20) 3+4-Methylphenols | 8.89 | 107 | 158605 | 36.804 | ng | | 94 |
| 22) Acetophenone | 8.93 | 105 | 227070 | 38.508 | ng | # | 93 |
| 24) Nitrobenzene | 9.32 | 77 | 154299 | 37.759 | ng | | 92 |
| 25) Isophorone | 9.84 | 82 | 286846 | 38.061 | ng | # | 92 |
| 26) 2-Nitrophenol | 10.03 | 139 | 78631 | 38.914 | ng | | 89 |
| 27) 2,4-Dimethylphenol | 10.09 | 122 | 119862 | 39.049 | ng | | 92 |
| 28) bis(2-Chloroethoxy)methane | 10.31 | 93 | 190066 | 39.064 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 10.58 | 162 | 145189 | 40.147 | ng | | 89 |
| 30) 1,2,4-Trichlorobenzene | 10.78 | 180 | 175072 | 37.898 | ng | | 98 |
| 31) Naphthalene | 10.97 | 128 | 450185 | 37.281 | ng | | 96 |
| 32) Benzoic acid | 10.25 | 122 | 53916 | 34.628 | ng | | 87 |
| 33) 4-Chloroaniline | 11.08 | 127 | 200134 | 38.171 | ng | | 93 |
| 34) Hexachlorobutadiene | 11.25 | 225 | 115635 | 37.737 | ng | | 97 |
| 35) Caprolactam | 11.85 | 113 | 55474 | 39.064 | ng | # | 74 |
| 36) 4-Chloro-3-methylphenol | 12.21 | 107 | 155928 | 37.773 | ng | # | 86 |
| 37) 2-Methylnaphthalene | 12.57 | 142 | 351009 | 37.543 | ng | | 93 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.93 | 216 | 254106 | 37.347 | ng | # | 96 |
| 40) Hexachlorocyclopentadiene | 12.91 | 237 | 53995 | 34.751 | ng | | 90 |

Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG121117\
Data File : BG031468.D
Acq On : 11 Dec 2017 23:37
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
12/12/2017 3:55:19 PM

Quant Time: Dec 12 04:41:52 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 11 17:25:55 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.18 | 196 | 136902 | 39.383 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.26 | 196 | 149935 | 40.041 | ng | # | 94 |
| 45) 1,1'-Biphenyl | 13.56 | 154 | 532662 | 37.252 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.62 | 162 | 387999 | 37.074 | ng | | 97 |
| 47) 2-Nitroaniline | 13.82 | 65 | 108339 | 36.840 | ng | # | 84 |
| 48) Acenaphthylene | 14.46 | 152 | 630884 | 37.464 | ng | | 98 |
| 49) Dimethylphthalate | 14.18 | 163 | 540651 | 37.512 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.30 | 165 | 116621 | 37.855 | ng | # | 82 |
| 51) Acenaphthene | 14.80 | 154 | 398373 | 37.413 | ng | | 98 |
| 52) 3-Nitroaniline | 14.64 | 138 | 121347 | 38.641 | ng | # | 80 |
| 53) 2,4-Dinitrophenol | 14.86 | 184 | 34576 | 32.903 | ng | # | 50 |
| 54) Dibenzofuran | 15.13 | 168 | 627114 | 36.908 | ng | | 98 |
| 55) 4-Nitrophenol | 14.97 | 139 | 75850 | 37.705 | ng | # | 83 |
| 56) 2,4-Dinitrotoluene | 15.10 | 165 | 166288 | 38.003 | ng | # | 76 |
| 57) Fluorene | 15.78 | 166 | 507641 | 37.287 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.36 | 232 | 139189 | 39.545 | ng | # | 92 |
| 59) Diethylphthalate | 15.53 | 149 | 557442 | 38.585 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.76 | 204 | 308541 | 37.042 | ng | | 93 |
| 61) 4-Nitroaniline | 15.80 | 138 | 127987 | 38.836 | ng | | 90 |
| 62) Azobenzene | 16.05 | 77 | 445081 | 37.191 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 15.87 | 198 | 94322 | 36.761 | ng | | 79 |
| 65) n-Nitrosodiphenylamine | 15.98 | 169 | 498520 | 38.778 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.65 | 248 | 198486 | 38.864 | ng | | 97 |
| 67) Hexachlorobenzene | 16.78 | 284 | 200624 | 38.042 | ng | | 96 |
| 68) Atrazine | 16.92 | 200 | 190521 | 40.531 | ng | | 98 |
| 69) Pentachlorophenol | 17.13 | 266 | 84268 | 36.550 | ng | | 98 |
| 70) Phenanthrene | 17.52 | 178 | 865344 | 37.725 | ng | | 99 |
| 71) Anthracene | 17.61 | 178 | 859291 | 37.878 | ng | | 100 |
| 72) Carbazole | 17.88 | 167 | 799280 | 38.933 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.41 | 149 | 950298 | 40.083 | ng | | 100 |
| 74) Fluoranthene | 19.52 | 202 | 1108833 | 38.627 | ng | | 98 |
| 76) Benzidine | 19.69 | 184 | 441595 | 39.705 | ng | | 98 |
| 77) Pyrene | 19.88 | 202 | 1134695 | 38.211 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.74 | 149 | 431782 | 41.448 | ng | # | 83 |
| 80) Benzo(a)anthracene | 21.72 | 228 | 1097098 | 38.033 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.63 | 252 | 415172 | 41.354 | ng | | 97 |
| 82) Chrysene | 21.79 | 228 | 1053792 | 38.107 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 21.60 | 149 | 609985 | 40.699 | ng | | 98 |
| 84) Di-n-octyl phthalate | 22.82 | 149 | 1018909 | 41.214 | ng | | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 28.79 | 276 | 1188164 | 40.204 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 23.98 | 252 | 1078221 | 37.980 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 24.05 | 252 | 1097713 | 37.889 | ng | | 98 |
| 89) Benzo(a)pyrene | 24.87 | 252 | 1032348 | 38.333 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 28.83 | 278 | 1003471 | 38.965 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 29.97 | 276 | 979884 | 38.702 | ng | | 98 |

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

Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG121117\
Data File : BG031468.D
Acq On : 11 Dec 2017 23:37
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 12 04:41:52 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 11 17:25:55 2017
Response via : Initial Calibration

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

**Manual Integrations APPROVED**
Sohil
12/12/2017 3:55:19 PM