Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023907.D
Acq On : 25 Aug 2016 23:36
Operator : UM/SJ
Sample : H4588-04MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MW-04MS

**Manual Integrations APPROVED**
sohil
8/26/2016 5:56:02 PM

Quant Time: Aug 26 01:46:54 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 24 17:42:04 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.09 | 152 | 139034 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.93 | 136 | 608191 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.76 | 164 | 382875 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.53 | 188 | 826525 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.85 | 240 | 841766 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.23 | 264 | 855603 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.63 | 112 | 464649 | 56.25 | ng | | 0.00 |
| 7) Phenol-d6 | 7.26 | 99 | 465337 | 36.17 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.27 | 82 | 919775 | 75.18 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.27 | 330 | 487118 | 86.98 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.38 | 172 | 1709604 | 75.31 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.14 | 244 | 1920070 | 67.42 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.50 | 88 | 46611 | 13.25 | ng | | 87 |
| 3) Pyridine | 3.91 | 79 | 137572 | 11.90 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.82 | 42 | 77793 | 18.14 | ng | # | 76 |
| 6) Aniline | 7.41 | 93 | 204343 | 10.99 | ng | | 95 |
| 8) 2-Chlorophenol | 7.66 | 128 | 280754 | 29.59 | ng | | 99 |
| 9) Benzaldehyde | 7.22 | 77 | 86662 | 9.05 | ng | | 88 |
| 10) Phenol | 7.29 | 94 | 178801 | 12.99 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 7.50 | 93 | 360448 | 32.83 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 7.98 | 146 | 342692 | 31.54 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 8.13 | 146 | 349786 | 31.45 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 8.45 | 146 | 333514 | 30.57 | ng | | 95 |
| 15) Benzyl Alcohol | 8.34 | 79 | 275743 | 28.29 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.62 | 45 | 506638 | 31.38 | ng | | 90 |
| 17) 2-Methylphenol | 8.55 | 107 | 235374 | 25.51 | ng | | 92 |
| 18) Hexachloroethane | 9.18 | 117 | 137899 | 32.94 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.90 | 70 | 353328 | 31.93 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.88 | 107 | 294802 | 22.66 | ng | | 92 |
| 22) Acetophenone | 8.92 | 105 | 507272 | 30.46 | ng | # | 92 |
| 24) Nitrobenzene | 9.32 | 77 | 502144 | 37.07 | ng | | 92 |
| 25) Isophorone | 9.83 | 82 | 911243 | 35.76 | ng | # | 94 |
| 26) 2-Nitrophenol | 10.03 | 139 | 194406 | 34.00 | ng | # | 81 |
| 27) 2,4-Dimethylphenol | 10.09 | 122 | 313439 | 32.20 | ng | | 92 |
| 28) bis(2-Chloroethoxy)methane | 10.32 | 93 | 505990 | 33.03 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.58 | 162 | 340950 | 34.83 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.79 | 180 | 357520 | 33.87 | ng | | 97 |
| 31) Naphthalene | 10.98 | 128 | 1039855 | 33.58 | ng | | 100 |
| 32) Benzoic acid | 10.22 | 122 | 62132 | 12.44 | ng | | 93 |
| 33) 4-Chloroaniline | 11.10 | 127 | 146675 | 9.91 | ng | | 95 |
| 34) Hexachlorobutadiene | 11.25 | 225 | 232473 | 33.48 | ng | | 95 |
| 35) Caprolactam | 11.91 | 113 | 26950 | 6.54 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 12.23 | 107 | 387720 | 30.15 | ng | | 92 |
| 37) 2-Methylnaphthalene | 12.58 | 142 | 788972m | 33.51 | ng | | |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.95 | 216 | 380835 | 27.43 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 12.92 | 237 | 213521 | 30.50 | ng | | 99 |

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023907.D
Acq On : 25 Aug 2016 23:36
Operator : UM/SJ
Sample : H4588-04MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
MW-04MS

**Manual Integrations APPROVED**
sohil
8/26/2016 5:56:02 PM

Quant Time: Aug 26 01:46:54 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 24 17:42:04 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.20 | 196 | 289657 | 35.02 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 13.28 | 196 | 295591 | 34.72 | ng | # | 91 |
| 45) 1,1'-Biphenyl | 13.59 | 154 | 926175 | 31.64 | ng | | 97 |
| 46) 2-Chloronaphthalene | 13.64 | 162 | 804978 | 35.55 | ng | | 95 |
| 47) 2-Nitroaniline | 13.85 | 65 | 333002 | 35.42 | ng | | 89 |
| 48) Acenaphthylene | 14.49 | 152 | 1212328 | 33.87 | ng | | 99 |
| 49) Dimethylphthalate | 14.22 | 163 | 1235147 | 42.05 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.35 | 165 | 239297 | 34.40 | ng | | 89 |
| 51) Acenaphthene | 14.83 | 154 | 812375 | 35.83 | ng | | 99 |
| 52) 3-Nitroaniline | 14.69 | 138 | 100331 | 12.79 | ng | # | 77 |
| 53) 2,4-Dinitrophenol | 14.90 | 184 | 251618 | 56.43 | ng | | 92 |
| 54) Dibenzofuran | 15.17 | 168 | 1257331 | 38.19 | ng | | 96 |
| 55) 4-Nitrophenol | 15.03 | 139 | 157315 | 25.53 | ng | # | 87 |
| 56) 2,4-Dinitrotoluene | 15.14 | 165 | 334903 | 34.30 | ng | | 94 |
| 57) Fluorene | 15.82 | 166 | 1012536 | 35.25 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.40 | 232 | 275692m | 35.28 | ng | | |
| 59) Diethylphthalate | 15.57 | 149 | 1079461 | 36.20 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.80 | 204 | 516677 | 33.99 | ng | | 96 |
| 61) 4-Nitroaniline | 15.86 | 138 | 187866 | 22.49 | ng | # | 69 |
| 62) Azobenzene | 16.10 | 77 | 1184023 | 39.17 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 15.91 | 198 | 188080 | 33.47 | ng | | 83 |
| 65) n-Nitrosodiphenylamine | 16.03 | 169 | 914356 | 37.72 | ng | | 95 |
| 66) 4-Bromophenyl-phenylether | 16.70 | 248 | 344164 | 35.73 | ng | | 96 |
| 67) Hexachlorobenzene | 16.83 | 284 | 356013 | 33.78 | ng | | 95 |
| 68) Atrazine | 17.00 | 200 | 253681 | 27.25 | ng | | 96 |
| 69) Pentachlorophenol | 17.19 | 266 | 402596 | 65.52 | ng | | 98 |
| 70) Phenanthrene | 17.57 | 178 | 1561761 | 37.24 | ng | | 99 |
| 71) Anthracene | 17.67 | 178 | 1593626 | 37.78 | ng | | 99 |
| 72) Carbazole | 17.94 | 167 | 1440052 | 38.88 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.48 | 149 | 1697677 | 45.23 | ng | | 99 |
| 74) Fluoranthene | 19.59 | 202 | 1710605 | 42.99 | ng | | 97 |
| 77) Pyrene | 19.95 | 202 | 1715737 | 33.80 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.83 | 149 | 817855 | 40.35 | ng | | 98 |
| 80) Benzo(a)anthracene | 21.83 | 228 | 1720391 | 37.02 | ng | | 96 |
| 82) Chrysene | 21.89 | 228 | 1599499 | 36.18 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.70 | 149 | 1128262 | 40.65 | ng | # | 97 |
| 84) Di-n-octyl phthalate | 22.96 | 149 | 1915016 | 40.42 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 29.12 | 276 | 1994119 | 36.10 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 24.16 | 252 | 1731426 | 35.97 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 24.22 | 252 | 1656008 | 35.82 | ng | # | 96 |
| 89) Benzo(a)pyrene | 25.07 | 252 | 1661359 | 36.29 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 29.18 | 278 | 1698237 | 36.31 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 30.33 | 276 | 1659749 | 35.24 | ng | # | 92 |

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

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082516\
Data File : BG023907.D
Acq On : 25 Aug 2016 23:36
Operator : UM/SJ
Sample : H4588-04MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 26 01:46:54 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 24 17:42:04 2016
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
MW-04MS

**Manual Integrations APPROVED**
sohil
8/26/2016 5:56:02 PM