Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070117\
Data File : BG027802.D
Acq On : 2 Jul 2017 3:20
Operator : SJ/JU
Sample : I4007-05MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TP2-MH2094-COMPMSD

Quant Time: Jul 03 07:42:16 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 28 19:26:37 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.48 | 152 | 31078 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.30 | 136 | 139488 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 15.06 | 164 | 8575 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.81 | 188 | 59641 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 22.17 | 240 | 70 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 0.00 | 264 | 0 | 0.00 | ng | | -25.79 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.06 | 112 | 252504 | 125.12 | ng | | 0.00 |
| 7) Phenol-d6 | 7.62 | 99 | 68817 | 22.32 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.65 | 82 | 236962 | 94.69 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.55 | 330 | 193131 | 1642.05 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.69 | 172 | 574998 | 957.66 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.39 | 244 | 13359 | 4474.06 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 4.06 | 88 | 27358 | 36.410 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 4.35 | 42 | 5829 | 5.138 | ng | # | 86 |
| 6) Aniline | 7.89 | 93 | 85997 | 24.063 | ng | # | 57 |
| 8) 2-Chlorophenol | 8.05 | 128 | 100556 | 44.589 | ng | | 88 |
| 9) Benzaldehyde | 7.62 | 77 | 32290 | 17.600 | ng | # | 71 |
| 10) Phenol | 7.65 | 94 | 45326 | 14.859 | ng | | 88 |
| 11) bis(2-Chloroethyl)ether | 7.89 | 93 | 85997 | 37.116 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 8.37 | 146 | 91970 | 38.340 | ng | # | 92 |
| 13) 1,4-Dichlorobenzene | 8.52 | 146 | 96593 | 38.861 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.83 | 146 | 97434 | 40.429 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.99 | 45 | 183521 | 37.135 | ng | | 98 |
| 17) 2-Methylphenol | 8.90 | 107 | 24322 | 11.270 | ng | # | 87 |
| 18) Hexachloroethane | 9.57 | 117 | 32339 | 36.988 | ng | | 85 |
| 20) 3+4-Methylphenols | 9.22 | 107 | 30776 | 9.889 | ng | | 86 |
| 22) Acetophenone | 9.29 | 105 | 172114 | 51.134 | ng | # | 90 |
| 24) Nitrobenzene | 9.69 | 77 | 119187 | 45.557 | ng | # | 84 |
| 25) Isophorone | 10.20 | 82 | 11545 | 2.117 | ng | # | 91 |
| 26) 2-Nitrophenol | 10.40 | 139 | 57920 | 49.013 | ng | # | 84 |
| 27) 2,4-Dimethylphenol | 10.43 | 122 | 36932 | 16.686 | ng | | 87 |
| 29) 2,4-Dichlorophenol | 10.93 | 162 | 104541 | 53.895 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 11.16 | 180 | 94849 | 47.945 | ng | | 98 |
| 31) Naphthalene | 11.35 | 128 | 329598 | 44.433 | ng | | 99 |
| 32) Benzoic acid | 10.56 | 122 | 64620 | 47.809 | ng | # | 75 |
| 34) Hexachlorobutadiene | 11.62 | 225 | 56756 | 51.489 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 12.52 | 107 | 70670 | 25.891 | ng | | 88 |
| 37) 2-Methylnaphthalene | 12.91 | 142 | 231372 | 41.877 | ng | | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.28 | 216 | 115317 | 511.762 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 13.25 | 237 | 154047 | 1449.977 | ng | | 95 |
| 42) 2,4,6-Trichlorophenol | 13.51 | 196 | 78967 | 485.217 | ng | | 93 |
| 43) 2,4,5-Trichlorophenol | 13.58 | 196 | 83715 | 453.973 | ng | # | 95 |
| 45) 1,1'-Biphenyl | 13.90 | 154 | 326547 | 475.109 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.95 | 162 | 244140 | 470.213 | ng | | 98 |
| 48) Acenaphthylene | 14.79 | 152 | 10829 | 11.414 | ng | | 93 |
| 49) Dimethylphthalate | 14.50 | 163 | 28102 | 38.417 | ng | # | 96 |

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070117\
Data File : BG027802.D
Acq On : 2 Jul 2017 3:20
Operator : SJ/JU
Sample : I4007-05MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TP2-MH2094-COMPMSD

Quant Time: Jul 03 07:42:16 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 28 19:26:37 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 50) 2,6-Dinitrotoluene | 14.63 | 165 | 73997 | 465.340 | ng | # | 83 |
| 51) Acenaphthene | 15.13 | 154 | 33800 | 55.585 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 15.17 | 184 | 95384 | 984.404 | ng | | 94 |
| 54) Dibenzofuran | 15.46 | 168 | 338824 | 421.399 | ng | | 98 |
| 55) 4-Nitrophenol | 15.30 | 139 | 50522 | 353.784 | ng | # | 60 |
| 56) 2,4-Dinitrotoluene | 15.41 | 165 | 106884 | 481.905 | ng | # | 87 |
| 57) Fluorene | 16.11 | 166 | 168465 | 216.094 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.69 | 232 | 77056 | 484.739 | ng | | 95 |
| 60) 4-Chlorophenyl-phenylether | 16.09 | 204 | 138808 | 402.214 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 16.17 | 198 | 59815 | 146.678 | ng | | 84 |
| 66) 4-Bromophenyl-phenylether | 16.99 | 248 | 85976 | 137.829 | ng | | 92 |
| 67) Hexachlorobenzene | 17.12 | 284 | 119489 | 180.875 | ng | | 90 |
| 69) Pentachlorophenol | 17.46 | 266 | 117595 | 263.482 | ng | | 97 |
| 70) Phenanthrene | 17.86 | 178 | 378575 | 109.952 | ng | | 94 |
| 71) Anthracene | 17.95 | 178 | 92365 | 26.566 | ng | | 94 |
| 74) Fluoranthene | 19.84 | 202 | 29438 | 7.823 | ng | | 95 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG070117\
Data File : BG027802.D
Acq On : 2 Jul 2017 3:20
Operator : SJ/JU
Sample : I4007-05MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
TP2-MH2094-COMPMSD

Quant Time: Jul 03 07:42:16 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 28 19:26:37 2017
Response via : Initial Calibration