Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
Data File : BG044791.D
Acq On : 14 Mar 2020 9:48
Operator : CG/JU
Sample : L1826-01MS
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 16 02:30:06 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 10 16:27:39 2020
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
MC5B39MS

**Manual Integrations APPROVED**
mohammad
3/18/2020 8:43:32 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.06 | 152 | 112622 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.87 | 136 | 453438 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.69 | 164 | 311230 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.43 | 188 | 675557 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.71 | 240 | 545771 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.92 | 264 | 590537 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.63 | 112 | 844045 | 116.67 | ng | | 0.00 |
| 7) Phenol-d6 | 7.22 | 99 | 1093894 | 104.07 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.22 | 82 | 863536 | 83.57 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.18 | 330 | 524073 | 128.60 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.32 | 172 | 1756567 | 80.82 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.05 | 244 | 2318975 | 79.48 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.54 | 88 | 93580 | 26.861 | ng | # | 30 |
| 3) Pyridine | 3.94 | 79 | 30546 | 2.962 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.84 | 42 | 129330 | 33.050 | ng | | 98 |
| 6) Aniline | 7.39 | 93 | 32592 | 2.492 | ng | | 94 |
| 8) 2-Chlorophenol | 7.63 | 128 | 347579 | 48.127 | ng | | 94 |
| 9) Benzaldehyde | 7.19 | 77 | 323942 | 56.946 | ng | | 97 |
| 10) Phenol | 7.25 | 94 | 408731 | 39.276 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.47 | 93 | 346586 | 41.730 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.95 | 146 | 353229 | 39.704 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.10 | 146 | 361696 | 41.123 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.41 | 146 | 344252 | 41.269 | ng | | 97 |
| 15) Benzyl Alcohol | 8.29 | 79 | 340980 | 40.430 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.59 | 45 | 531799 | 36.283 | ng | | 97 |
| 17) 2-Methylphenol | 8.50 | 107 | 306199 | 43.437 | ng | | 95 |
| 18) Hexachloroethane | 9.15 | 117 | 138345 | 39.953 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.87 | 70 | 300764 | 40.522 | ng | # | 94 |
| 20) 3+4-Methylphenols | 8.83 | 107 | 420106 | 43.232 | ng | | 98 |
| 22) Acetophenone | 8.88 | 105 | 531462 | 41.372 | ng | | 99 |
| 24) Nitrobenzene | 9.26 | 77 | 457347 | 42.655 | ng | | 97 |
| 25) Isophorone | 9.79 | 82 | 849215 | 42.108 | ng | | 99 |
| 26) 2-Nitrophenol | 9.98 | 139 | 190283 | 50.761 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 10.04 | 122 | 249366 | 37.969 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 10.27 | 93 | 478309 | 39.741 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 10.51 | 162 | 359966 | 46.925 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.74 | 180 | 390334 | 42.555 | ng | | 95 |
| 31) Naphthalene | 10.92 | 128 | 1088928 | 43.352 | ng | | 99 |
| 32) Benzoic acid | 10.17 | 122 | 189235 | 39.205 | ng | | 97 |
| 33) 4-Chloroaniline | 11.02 | 127 | 25407 | 2.245 | ng | | 93 |
| 34) Hexachlorobutadiene | 11.22 | 225 | 254084 | 42.123 | ng | | 98 |
| 35) Caprolactam | 11.79 | 113 | 78279m | 26.952 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.14 | 107 | 412688 | 45.108 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.52 | 142 | 818934 | 43.585 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.74 | 142 | 767922 | 43.472 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.89 | 216 | 435821 | 42.520 | ng | | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
Data File : BG044791.D
Acq On : 14 Mar 2020 9:48
Operator : CG/JU
Sample : L1826-01MS
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** MC5B39MS

**Manual Integrations APPROVED**
mohammad
3/18/2020 8:43:32 AM

Quant Time: Mar 16 02:30:06 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 10 16:27:39 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.88 | 237 | 263590 | 47.057 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.13 | 196 | 309855 | 45.552 | ng | | 96 |
| 44) 2,4,5-Trichlorophenol | 13.20 | 196 | 336792 | 47.742 | ng | | 96 |
| 46) 1,1'-Biphenyl | 13.53 | 154 | 1009603 | 40.593 | ng | | 97 |
| 47) 2-Chloronaphthalene | 13.57 | 162 | 769548 | 40.504 | ng | | 97 |
| 48) 2-Nitroaniline | 13.76 | 65 | 294631 | 44.295 | ng | | 95 |
| 49) Acenaphthylene | 14.41 | 152 | 1260458 | 42.347 | ng | | 100 |
| 50) Dimethylphthalate | 14.15 | 163 | 1156080 | 46.639 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.25 | 165 | 228564 | 45.745 | ng | | 98 |
| 52) Acenaphthene | 14.75 | 154 | 812093 | 41.659 | ng | | 100 |
| 53) 3-Nitroaniline | 14.58 | 138 | 84520 | 14.713 | ng | | 90 |
| 54) 2,4-Dinitrophenol | 14.79 | 184 | 85698 | 37.731 | ng | # | 69 |
| 55) Dibenzofuran | 15.09 | 168 | 1202798 | 42.549 | ng | | 99 |
| 56) 4-Nitrophenol | 14.89 | 139 | 354066 | 80.762 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 15.04 | 165 | 317749 | 46.369 | ng | # | 92 |
| 58) Fluorene | 15.74 | 166 | 997741 | 42.907 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.31 | 232 | 307310 | 47.317 | ng | | 94 |
| 60) Diethylphthalate | 15.51 | 149 | 1057580 | 40.906 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.74 | 204 | 530773 | 42.390 | ng | | 95 |
| 62) 4-Nitroaniline | 15.75 | 138 | 201651 | 32.920 | ng | | 96 |
| 63) Azobenzene | 16.03 | 77 | 1089987 | 40.598 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.81 | 198 | 76280 | 27.860 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 15.94 | 169 | 879241 | 43.229 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.63 | 248 | 372270 | 44.080 | ng | | 95 |
| 68) Hexachlorobenzene | 16.75 | 284 | 397711 | 43.407 | ng | | 98 |
| 69) Atrazine | 16.89 | 200 | 340805 | 45.735 | ng | | 97 |
| 70) Pentachlorophenol | 17.09 | 266 | 481103 | 95.433 | ng | | 99 |
| 71) Phenanthrene | 17.48 | 178 | 1522441 | 42.172 | ng | | 97 |
| 72) Anthracene | 17.57 | 178 | 1544301 | 43.383 | ng | | 99 |
| 73) Carbazole | 17.83 | 167 | 1429200 | 41.797 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.40 | 149 | 1740484 | 41.872 | ng | | 100 |
| 75) Fluoranthene | 19.48 | 202 | 1780584 | 41.424 | ng | | 100 |
| 77) Benzidine | 19.65 | 184 | 27157 | 1.533 | ng | # | 94 |
| 78) Pyrene | 19.85 | 202 | 1779843 | 44.450 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.74 | 149 | 783988 | 44.011 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.69 | 228 | 1710967 | 43.537 | ng | | 97 |
| 82) 3,3'-Dichlorobenzidine | 21.60 | 252 | 454641 | 29.903 | ng | | 97 |
| 83) Chrysene | 21.76 | 228 | 1610678 | 42.906 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.62 | 149 | 1066842 | 43.394 | ng | # | 99 |
| 85) Di-n-octyl phthalate | 22.84 | 149 | 1812614 | 44.059 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.60 | 276 | 1974904 | 40.128 | ng | # | 98 |
| 88) Benzo(b)fluoranthene | 23.91 | 252 | 1770295 | 45.409 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.98 | 252 | 1738184 | 47.113 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.78 | 252 | 1605074 | 44.000 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 28.67 | 278 | 1637508 | 45.500 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.74 | 276 | 1574742 | 43.309 | ng | | 97 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031320\
Data File : BG044791.D
Acq On : 14 Mar 2020 9:48
Operator : CG/JU
Sample : L1826-01MS
Misc :
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 16 02:30:06 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 10 16:27:39 2020
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
MC5B39MS

**Manual Integrations APPROVED**
mohammad
3/18/2020 8:43:32 AM