Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102319\
Data File : BG043308.D
Acq On : 23 Oct 2019 14:50
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
mohammad
10/24/2019 2:11:32 PM

Quant Time: Oct 24 07:23:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 16:37:43 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.02 | 152 | 31165 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.83 | 136 | 132501 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.65 | 164 | 98980 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.40 | 188 | 241086 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.67 | 240 | 272179 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.87 | 264 | 317955 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 141432 | 83.16 | ng | | 0.00 |
| 7) Phenol-d6 | 7.20 | 99 | 209093 | 85.45 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.19 | 82 | 207733 | 80.83 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.14 | 330 | 162227 | 86.13 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.28 | 172 | 588746 | 82.19 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.01 | 244 | 1248512 | 86.06 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.49 | 88 | 28063 | 42.343 | ng | | 97 |
| 3) Pyridine | 3.89 | 79 | 75593 | 45.215 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.81 | 42 | 34388 | 40.762 | ng | | 94 |
| 6) Aniline | 7.35 | 93 | 119828 | 42.510 | ng | | 98 |
| 8) 2-Chlorophenol | 7.59 | 128 | 79229 | 42.201 | ng | | 95 |
| 9) Benzaldehyde | 7.17 | 77 | 50705 | 42.165 | ng | | 91 |
| 10) Phenol | 7.22 | 94 | 97416 | 43.567 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.44 | 93 | 72825 | 42.126 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 7.91 | 146 | 96607 | 41.070 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.06 | 146 | 96838 | 40.690 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.38 | 146 | 95188 | 40.964 | ng | | 96 |
| 15) Benzyl Alcohol | 8.27 | 79 | 73269 | 42.635 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.55 | 45 | 106766 | 42.473 | ng | | 98 |
| 17) 2-Methylphenol | 8.48 | 107 | 66902 | 41.043 | ng | | 96 |
| 18) Hexachloroethane | 9.11 | 117 | 36256 | 42.225 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 8.83 | 70 | 65277 | 41.284 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.80 | 107 | 91375 | 40.880 | ng | | 91 |
| 22) Acetophenone | 8.85 | 105 | 138479 | 40.811 | ng | # | 98 |
| 24) Nitrobenzene | 9.23 | 77 | 95594 | 39.045 | ng | | 98 |
| 25) Isophorone | 9.75 | 82 | 191669 | 40.790 | ng | | 95 |
| 26) 2-Nitrophenol | 9.94 | 139 | 46335 | 39.200 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 10.00 | 122 | 66245 | 39.102 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 10.23 | 93 | 103948 | 40.082 | ng | | 95 |
| 29) 2,4-Dichlorophenol | 10.49 | 162 | 87672 | 40.390 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.69 | 180 | 107675 | 39.358 | ng | | 99 |
| 31) Naphthalene | 10.88 | 128 | 271384 | 40.350 | ng | | 99 |
| 32) Benzoic acid | 10.15 | 122 | 40268m | 34.310 | ng | | |
| 33) 4-Chloroaniline | 10.99 | 127 | 116148 | 42.129 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.17 | 225 | 79413 | 39.267 | ng | | 98 |
| 35) Caprolactam | 11.76 | 113 | 31972 | 42.767 | ng | # | 81 |
| 36) 4-Chloro-3-methylphenol | 12.12 | 107 | 96839 | 40.900 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.48 | 142 | 209875 | 40.670 | ng | | 94 |
| 38) 1-Methylnaphthalene | 12.70 | 142 | 203188 | 41.382 | ng | | 96 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.85 | 216 | 150228 | 41.011 | ng | | 98 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102319\
Data File : BG043308.D
Acq On : 23 Oct 2019 14:50
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 24 07:23:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 16:37:43 2019
Response via : Initial Calibration

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

**Manual Integrations APPROVED**
mohammad
10/24/2019 2:11:32 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.84 | 237 | 74910 | 38.929 | ng | | 95 |
| 43) 2,4,6-Trichlorophenol | 13.09 | 196 | 90329 | 41.873 | ng | | 96 |
| 44) 2,4,5-Trichlorophenol | 13.17 | 196 | 92232 | 42.290 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.49 | 154 | 309377 | 41.087 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.53 | 162 | 234086 | 40.858 | ng | | 98 |
| 48) 2-Nitroaniline | 13.73 | 65 | 74771 | 43.666 | ng | | 97 |
| 49) Acenaphthylene | 14.37 | 152 | 370449 | 41.545 | ng | | 96 |
| 50) Dimethylphthalate | 14.11 | 163 | 327700 | 42.743 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.23 | 165 | 72077 | 43.275 | ng | | 97 |
| 52) Acenaphthene | 14.72 | 154 | 225687 | 41.504 | ng | | 96 |
| 53) 3-Nitroaniline | 14.56 | 138 | 70229 | 43.673 | ng | | 92 |
| 54) 2,4-Dinitrophenol | 14.77 | 184 | 36208 | 38.927 | ng | | 96 |
| 55) Dibenzofuran | 15.05 | 168 | 371282 | 42.104 | ng | | 100 |
| 56) 4-Nitrophenol | 14.89 | 139 | 48718 | 45.209 | ng | | 92 |
| 57) 2,4-Dinitrotoluene | 15.02 | 165 | 100154 | 42.076 | ng | # | 98 |
| 58) Fluorene | 15.70 | 166 | 316301 | 42.767 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.29 | 232 | 101592 | 43.844 | ng | # | 99 |
| 60) Diethylphthalate | 15.47 | 149 | 330549 | 42.910 | ng | | 96 |
| 61) 4-Chlorophenyl-phenylether | 15.69 | 204 | 184171 | 42.686 | ng | | 96 |
| 62) 4-Nitroaniline | 15.73 | 138 | 75429 | 45.419 | ng | | 88 |
| 63) Azobenzene | 15.98 | 77 | 268421 | 43.054 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 15.78 | 198 | 58408 | 41.167 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.91 | 169 | 279218 | 41.022 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.58 | 248 | 133498 | 41.146 | ng | | 97 |
| 68) Hexachlorobenzene | 16.71 | 284 | 153688 | 41.267 | ng | | 99 |
| 69) Atrazine | 16.85 | 200 | 98456 | 41.629 | ng | | 94 |
| 70) Pentachlorophenol | 17.05 | 266 | 72713 | 42.848 | ng | | 99 |
| 71) Phenanthrene | 17.44 | 178 | 522685 | 42.338 | ng | | 100 |
| 72) Anthracene | 17.53 | 178 | 518898 | 42.010 | ng | | 98 |
| 73) Carbazole | 17.81 | 167 | 474704 | 42.439 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.36 | 149 | 587071 | 43.256 | ng | | 98 |
| 75) Fluoranthene | 19.45 | 202 | 706105 | 43.872 | ng | | 98 |
| 77) Benzidine | 19.63 | 184 | 237950 | 43.440 | ng | | 98 |
| 78) Pyrene | 19.81 | 202 | 710960 | 42.200 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.70 | 149 | 264576 | 41.451 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.65 | 228 | 733576 | 43.027 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.57 | 252 | 288676 | 43.777 | ng | | 96 |
| 83) Chrysene | 21.71 | 228 | 708507 | 41.826 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.55 | 149 | 384421 | 42.398 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.75 | 149 | 634864 | 41.271 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.52 | 276 | 897257 | 42.197 | ng | # | 97 |
| 88) Benzo(b)fluoranthene | 23.85 | 252 | 759147 | 42.156 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 23.92 | 252 | 756391 | 41.723 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.72 | 252 | 719427 | 41.836 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.58 | 278 | 743475 | 42.269 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 29.66 | 276 | 726473 | 41.871 | ng | | 98 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102319\
Data File : BG043308.D
Acq On : 23 Oct 2019 14:50
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 24 07:23:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 21 16:37:43 2019
Response via : Initial Calibration

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

**Manual Integrations APPROVED**
mohammad
10/24/2019 2:11:32 PM