Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012120\
Data File : BG044133.D
Acq On : 21 Jan 2020 14:43
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
mohammad
1/23/2020 7:58:16 AM

Quant Time: Jan 22 06:53:09 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.93 | 152 | 96349 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 10.73 | 136 | 418225 | 20.00 | ng | | -0.03 |
| 39) Acenaphthene-d10 | 14.57 | 164 | 270331 | 20.00 | ng | | -0.03 |
| 64) Phenanthrene-d10 | 17.31 | 188 | 549739 | 20.00 | ng | | -0.02 |
| 76) Chrysene-d12 | 21.56 | 240 | 449390 | 20.00 | ng | | -0.03 |
| 87) Perylene-d12 | 24.66 | 264 | 503133 | 20.00 | ng | | -0.06 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.51 | 112 | 469589 | 89.49 | ng | | -0.03 |
| 7) Phenol-d6 | 7.10 | 99 | 651350 | 88.80 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 9.09 | 82 | 605840 | 77.49 | ng | | -0.03 |
| 42) 2,4,6-Tribromophenol | 16.06 | 330 | 238660 | 84.36 | ng | | -0.03 |
| 45) 2-Fluorobiphenyl | 13.19 | 172 | 1311151 | 87.87 | ng | | -0.03 |
| 79) Terphenyl-d14 | 19.93 | 244 | 1722801 | 95.39 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.40 | 88 | 96576 | 42.210 | ng | | 99 |
| 3) Pyridine | 3.80 | 79 | 286008 | 42.315 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 3.71 | 42 | 117576 | 39.071 | ng | | 95 |
| 6) Aniline | 7.25 | 93 | 391953 | 40.684 | ng | | 99 |
| 8) 2-Chlorophenol | 7.50 | 128 | 263287 | 42.739 | ng | | 97 |
| 9) Benzaldehyde | 7.06 | 77 | 160665 | 34.224 | ng | | 96 |
| 10) Phenol | 7.13 | 94 | 326244 | 43.169 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.35 | 93 | 264386 | 40.528 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.82 | 146 | 301872 | 41.875 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.97 | 146 | 299779 | 42.146 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.29 | 146 | 286320 | 41.938 | ng | | 98 |
| 15) Benzyl Alcohol | 8.17 | 79 | 234413 | 40.493 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.46 | 45 | 380114 | 37.663 | ng | | 98 |
| 17) 2-Methylphenol | 8.38 | 107 | 231111 | 42.259 | ng | | 97 |
| 18) Hexachloroethane | 9.02 | 117 | 115825 | 41.849 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.74 | 70 | 217880 | 39.887 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.71 | 107 | 324542 | 42.539 | ng | | 96 |
| 22) Acetophenone | 8.75 | 105 | 411966 | 39.622 | ng | # | 98 |
| 24) Nitrobenzene | 9.13 | 77 | 300618 | 38.824 | ng | | 98 |
| 25) Isophorone | 9.66 | 82 | 575703 | 39.251 | ng | | 99 |
| 26) 2-Nitrophenol | 9.84 | 139 | 157996 | 43.129 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.91 | 122 | 221820 | 40.225 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.14 | 93 | 382641 | 39.132 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.39 | 162 | 271796 | 41.320 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.60 | 180 | 295908 | 40.121 | ng | | 98 |
| 31) Naphthalene | 10.79 | 128 | 849481 | 41.973 | ng | | 99 |
| 32) Benzoic acid | 10.06 | 122 | 136407m | 32.674 | ng | | |
| 33) 4-Chloroaniline | 10.89 | 127 | 388040 | 40.199 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.08 | 225 | 178469 | 39.633 | ng | | 98 |
| 35) Caprolactam | 11.66 | 113 | 96803 | 39.533 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 12.02 | 107 | 294161 | 42.008 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.39 | 142 | 636966 | 41.804 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.61 | 142 | 601992 | 41.687 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.77 | 216 | 322487 | 40.701 | ng | | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012120\
Data File : BG044133.D
Acq On : 21 Jan 2020 14:43
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
mohammad
1/23/2020 7:58:16 AM

Quant Time: Jan 22 06:53:09 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.75 | 237 | 154169 | 37.531 ng | 98 |
| 43) 2,4,6-Trichlorophenol | 13.00 | 196 | 222526 | 40.816 ng | 100 |
| 44) 2,4,5-Trichlorophenol | 13.08 | 196 | 230360 | 40.967 ng | 99 |
| 46) 1,1'-Biphenyl | 13.40 | 154 | 814471 | 42.021 ng | 99 |
| 47) 2-Chloronaphthalene | 13.44 | 162 | 648126 | 41.382 ng | 98 |
| 48) 2-Nitroaniline | 13.64 | 65 | 201935 | 40.082 ng | 96 |
| 49) Acenaphthylene | 14.29 | 152 | 969204 | 43.054 ng | 98 |
| 50) Dimethylphthalate | 14.02 | 163 | 804823 | 41.930 ng | 99 |
| 51) 2,6-Dinitrotoluene | 14.13 | 165 | 176346 | 40.647 ng | 99 |
| 52) Acenaphthene | 14.63 | 154 | 620666 | 39.316 ng | 99 |
| 53) 3-Nitroaniline | 14.46 | 138 | 199963 | 40.588 ng | 98 |
| 54) 2,4-Dinitrophenol | 14.67 | 184 | 88092 | 42.608 ng | 97 |
| 55) Dibenzofuran | 14.97 | 168 | 935664 | 43.054 ng | 97 |
| 56) 4-Nitrophenol | 14.79 | 139 | 144291 | 38.220 ng | 92 |
| 57) 2,4-Dinitrotoluene | 14.93 | 165 | 246978 | 41.837 ng | 100 |
| 58) Fluorene | 15.62 | 166 | 733009 | 42.555 ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.19 | 232 | 193403 | 39.999 ng | 97 |
| 60) Diethylphthalate | 15.39 | 149 | 816842 | 42.548 ng | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.61 | 204 | 387101 | 41.387 ng | 98 |
| 62) 4-Nitroaniline | 15.63 | 138 | 192151 | 39.495 ng | 96 |
| 63) Azobenzene | 15.90 | 77 | 736915 | 41.389 ng | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.69 | 198 | 122677 | 43.741 ng | 99 |
| 66) n-Nitrosodiphenylamine | 15.82 | 169 | 667419 | 41.226 ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.50 | 248 | 250348 | 40.490 ng | 98 |
| 68) Hexachlorobenzene | 16.63 | 284 | 272203 | 40.858 ng | 99 |
| 69) Atrazine | 16.77 | 200 | 199550 | 37.921 ng | 99 |
| 70) Pentachlorophenol | 16.97 | 266 | 130749 | 35.602 ng | 98 |
| 71) Phenanthrene | 17.35 | 178 | 1125829 | 42.696 ng | 98 |
| 72) Anthracene | 17.44 | 178 | 1119313 | 42.952 ng | 97 |
| 73) Carbazole | 17.71 | 167 | 1020070 | 42.377 ng | 97 |
| 74) Di-n-butylphthalate | 18.28 | 149 | 1306458 | 42.509 ng | 97 |
| 75) Fluoranthene | 19.36 | 202 | 1266091 | 41.985 ng | 97 |
| 77) Benzidine | 19.54 | 184 | 471184 | 41.714 ng | 98 |
| 78) Pyrene | 19.72 | 202 | 1266492 | 43.176 ng | 97 |
| 80) Butylbenzylphthalate | 20.62 | 149 | 607408 | 43.494 ng | 96 |
| 81) Benzo(a)anthracene | 21.54 | 228 | 1187889 | 42.630 ng | 97 |
| 82) 3,3'-Dichlorobenzidine | 21.46 | 252 | 446460 | 40.554 ng | 99 |
| 83) Chrysene | 21.60 | 228 | 1155388 | 43.637 ng | 96 |
| 84) Bis(2-ethylhexyl)phthalate | 21.46 | 149 | 819931 | 42.551 ng | 98 |
| 85) Di-n-octyl phthalate | 22.64 | 149 | 1417537 | 43.758 ng | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 28.18 | 276 | 1426373 | 39.640 ng | 99 |
| 88) Benzo(b)fluoranthene | 23.69 | 252 | 1237007 | 41.589 ng | 97 |
| 89) Benzo(k)fluoranthene | 23.75 | 252 | 1200553 | 42.446 ng | 97 |
| 90) Benzo(a)pyrene | 24.52 | 252 | 1160795 | 41.349 ng | 98 |
| 91) Dibenzo(a,h)anthracene | 28.25 | 278 | 1147785 | 40.711 ng | 98 |
| 92) Benzo(g,h,i)perylene | 29.28 | 276 | 1146624 | 40.943 ng | 98 |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012120\
Data File : BG044133.D
Acq On : 21 Jan 2020 14:43
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 22 06:53:09 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

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

**Manual Integrations APPROVED**
mohammad
1/23/2020 7:58:16 AM