Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062118\
Data File : BG035314.D
Acq On : 22 Jun 2018 1:48
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
6/22/2018 2:13:56 PM

Quant Time: Jun 22 05:35:01 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 08 17:16:28 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.06 | 152 | 51827 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.86 | 136 | 204550 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 14.68 | 164 | 146337 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 17.42 | 188 | 372653 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 21.69 | 240 | 396786 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 24.91 | 264 | 403577 | 20.00 | ng | | -0.05 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.63 | 112 | 236054 | 76.86 | ng | | -0.02 |
| 7) Phenol-d6 | 7.21 | 99 | 345722 | 76.27 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 9.22 | 82 | 355712 | 82.66 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.16 | 330 | 157439 | 84.04 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 13.30 | 172 | 827622 | 73.52 | ng | | -0.03 |
| 78) Terphenyl-d14 | 20.03 | 244 | 1356629 | 71.62 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.55 | 88 | 56785 | 38.754 | ng | # | 69 |
| 3) Pyridine | 3.95 | 79 | 155273 | 39.275 | ng | # | 72 |
| 4) n-Nitrosodimethylamine | 3.87 | 42 | 60025 | 35.341 | ng | # | 71 |
| 6) Aniline | 7.38 | 93 | 212491 | 36.267 | ng | | 96 |
| 8) 2-Chlorophenol | 7.62 | 128 | 118538 | 36.823 | ng | | 96 |
| 9) Benzaldehyde | 7.20 | 77 | 108783 | 31.158 | ng | | 96 |
| 10) Phenol | 7.24 | 94 | 172827 | 36.844 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 7.47 | 93 | 133750 | 36.736 | ng | | 88 |
| 12) 1,3-Dichlorobenzene | 7.94 | 146 | 141485 | 36.837 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.09 | 146 | 150597 | 37.983 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.41 | 146 | 143616 | 38.562 | ng | | 96 |
| 15) Benzyl Alcohol | 8.29 | 79 | 152240 | 35.446 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58 | 45 | 122536m | 33.815 | ng | | |
| 17) 2-Methylphenol | 8.49 | 107 | 117839 | 38.103 | ng | # | 90 |
| 18) Hexachloroethane | 9.14 | 117 | 52552 | 37.022 | ng | | 88 |
| 19) n-Nitroso-di-n-propylamine | 8.86 | 70 | 133465 | 34.659 | ng | # | 82 |
| 20) 3+4-Methylphenols | 8.82 | 107 | 167316 | 37.745 | ng | | 94 |
| 22) Acetophenone | 8.88 | 105 | 230382 | 36.359 | ng | # | 92 |
| 24) Nitrobenzene | 9.26 | 77 | 176544 | 40.064 | ng | | 99 |
| 25) Isophorone | 9.78 | 82 | 318662 | 35.074 | ng | | 98 |
| 26) 2-Nitrophenol | 9.97 | 139 | 67490 | 44.434 | ng | # | 83 |
| 27) 2,4-Dimethylphenol | 10.02 | 122 | 118768 | 37.201 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93 | 181949 | 37.267 | ng | | 94 |
| 29) 2,4-Dichlorophenol | 10.50 | 162 | 137746 | 39.652 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.72 | 180 | 167681 | 40.255 | ng | | 93 |
| 31) Naphthalene | 10.92 | 128 | 402763 | 37.903 | ng | | 99 |
| 32) Benzoic acid | 10.16 | 122 | 86876 | 40.626 | ng | | 96 |
| 33) 4-Chloroaniline | 11.01 | 127 | 173660 | 37.638 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.19 | 225 | 131223 | 40.506 | ng | | 97 |
| 35) Caprolactam | 11.79 | 113 | 48655 | 37.898 | ng | # | 68 |
| 36) 4-Chloro-3-methylphenol | 12.13 | 107 | 169528 | 39.149 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.51 | 142 | 306429 | 38.036 | ng | | 92 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.88 | 216 | 213785 | 39.221 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 12.85 | 237 | 125704 | 36.776 | ng | | 91 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062118\
Data File : BG035314.D
Acq On : 22 Jun 2018 1:48
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
6/22/2018 2:13:56 PM

Quant Time: Jun 22 05:35:01 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 08 17:16:28 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.11 | 196 | 130674 | 40.037 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 13.18 | 196 | 145665 | 40.663 | ng | | 96 |
| 45) 1,1'-Biphenyl | 13.51 | 154 | 435491 | 37.010 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.56 | 162 | 326232 | 36.670 | ng | | 98 |
| 47) 2-Nitroaniline | 13.76 | 65 | 106394 | 40.499 | ng | | 89 |
| 48) Acenaphthylene | 14.40 | 152 | 544744 | 36.517 | ng | | 98 |
| 49) Dimethylphthalate | 14.13 | 163 | 464393 | 36.391 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.25 | 165 | 99549 | 42.761 | ng | # | 85 |
| 51) Acenaphthene | 14.75 | 154 | 369891 | 37.950 | ng | | 99 |
| 52) 3-Nitroaniline | 14.58 | 138 | 99631 | 43.613 | ng | # | 93 |
| 53) 2,4-Dinitrophenol | 14.78 | 184 | 45025 | 47.788 | ng | # | 63 |
| 54) Dibenzofuran | 15.07 | 168 | 534408 | 36.609 | ng | | 95 |
| 55) 4-Nitrophenol | 14.88 | 139 | 71672 | 37.175 | ng | # | 85 |
| 56) 2,4-Dinitrotoluene | 15.03 | 165 | 139523 | 45.116 | ng | | 88 |
| 57) Fluorene | 15.72 | 166 | 441359 | 36.178 | ng | | 93 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.30 | 232 | 144192 | 41.434 | ng | | 92 |
| 59) Diethylphthalate | 15.49 | 149 | 453701 | 34.848 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.71 | 204 | 264063 | 37.958 | ng | | 94 |
| 61) 4-Nitroaniline | 15.74 | 138 | 101778 | 41.544 | ng | # | 85 |
| 62) Azobenzene | 16.01 | 77 | 426202 | 33.406 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 15.80 | 198 | 82458 | 48.464 | ng | | 82 |
| 65) n-Nitrosodiphenylamine | 15.93 | 169 | 411424 | 36.763 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.61 | 248 | 174396 | 38.861 | ng | | 97 |
| 67) Hexachlorobenzene | 16.72 | 284 | 180124 | 39.435 | ng | | 99 |
| 68) Atrazine | 16.87 | 200 | 172169 | 36.076 | ng | | 98 |
| 69) Pentachlorophenol | 17.07 | 266 | 122213 | 39.790 | ng | | 97 |
| 70) Phenanthrene | 17.47 | 178 | 699969 | 36.977 | ng | | 98 |
| 71) Anthracene | 17.55 | 178 | 709256 | 37.404 | ng | | 98 |
| 72) Carbazole | 17.82 | 167 | 641419 | 36.458 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.38 | 149 | 744019 | 35.480 | ng | # | 98 |
| 74) Fluoranthene | 19.47 | 202 | 907590 | 36.845 | ng | | 97 |
| 76) Benzidine | 19.64 | 184 | 343999 | 23.303 | ng | | 97 |
| 77) Pyrene | 19.83 | 202 | 930498 | 35.572 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.71 | 149 | 334171 | 35.182 | ng | | 95 |
| 80) Benzo(a)anthracene | 21.67 | 228 | 940288 | 37.084 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.58 | 252 | 347431 | 36.420 | ng | # | 97 |
| 82) Chrysene | 21.74 | 228 | 865121 | 37.265 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.57 | 149 | 456933 | 34.045 | ng | | 98 |
| 84) Di-n-octyl phthalate | 22.79 | 149 | 789009 | 34.267 | ng | # | 92 |
| 85) Indeno(1,2,3-cd)pyrene | 28.58 | 276 | 1030427 | 37.898 | ng | # | 93 |
| 87) Benzo(b)fluoranthene | 23.89 | 252 | 919130 | 36.982 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 23.96 | 252 | 887531 | 36.506 | ng | # | 98 |
| 89) Benzo(a)pyrene | 24.76 | 252 | 858605 | 36.714 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 28.64 | 278 | 857229 | 37.132 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 29.73 | 276 | 850251 | 37.633 | ng | # | 93 |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062118\
Data File : BG035314.D
Acq On : 22 Jun 2018 1:48
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 22 05:35:01 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 08 17:16:28 2018
Response via : Initial Calibration

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

**Manual Integrations APPROVED**
Sohil
6/22/2018 2:13:56 PM