Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121218\
Data File : BG038534.D
Acq On : 13 Dec 2018 16:05
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTDCCC040EC

Quant Time: Dec 13 17:13:24 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.06 | 152 | 36139 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.88 | 136 | 147680 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.70 | 164 | 97120 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.44 | 188 | 234927 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.72 | 240 | 225592 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.01 | 264 | 252224 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 162126 | 79.57 | ng | | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 225467 | 80.61 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.24 | 82 | 239044 | 82.69 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.19 | 330 | 111432 | 83.25 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.32 | 172 | 556345 | 78.59 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.04 | 244 | 841942 | 81.22 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.49 | 88 | 35026 | 36.936 | ng | | 96 |
| 3) Pyridine | 3.89 | 79 | 99858 | 38.247 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.82 | 42 | 55008 | 42.999 | ng | | 90 |
| 6) Aniline | 7.39 | 93 | 143355 | 40.147 | ng | | 98 |
| 8) 2-Chlorophenol | 7.62 | 128 | 94946 | 40.267 | ng | | 95 |
| 9) Benzaldehyde | 7.20 | 77 | 67811 | 37.371 | ng | | 98 |
| 10) Phenol | 7.24 | 94 | 118456 | 39.861 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.48 | 93 | 94622 | 39.993 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.95 | 146 | 109500 | 39.276 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.09 | 146 | 111121 | 38.917 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.42 | 146 | 104656 | 38.879 | ng | | 97 |
| 15) Benzyl Alcohol | 8.30 | 79 | 90297 | 41.358 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58 | 45 | 214406 | 39.560 | ng | | 99 |
| 17) 2-Methylphenol | 8.50 | 107 | 81213 | 40.790 | ng | | 97 |
| 18) Hexachloroethane | 9.14 | 117 | 40758 | 39.064 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 8.87 | 70 | 80374 | 40.912 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.83 | 107 | 116838 | 42.492 | ng | | 99 |
| 22) Acetophenone | 8.89 | 105 | 148769 | 40.331 | ng | # | 99 |
| 24) Nitrobenzene | 9.28 | 77 | 119919 | 41.007 | ng | | 98 |
| 25) Isophorone | 9.80 | 82 | 199920 | 38.492 | ng | | 98 |
| 26) 2-Nitrophenol | 9.99 | 139 | 61064 | 40.798 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 10.03 | 122 | 86954 | 40.536 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.28 | 93 | 121133 | 41.328 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.52 | 162 | 102488 | 42.947 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.74 | 180 | 118250 | 41.023 | ng | | 93 |
| 31) Naphthalene | 10.93 | 128 | 292455 | 40.193 | ng | | 99 |
| 32) Benzoic acid | 10.21 | 122 | 45108 | 36.260 | ng | | 90 |
| 33) 4-Chloroaniline | 11.04 | 127 | 134604 | 42.609 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.19 | 225 | 79933 | 40.982 | ng | | 98 |
| 35) Caprolactam | 11.84 | 113 | 38917 | 39.406 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 12.15 | 107 | 110702 | 40.651 | ng | | 92 |
| 37) 2-Methylnaphthalene | 12.53 | 142 | 213226 | 41.076 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.75 | 142 | 207264 | 41.146 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.89 | 216 | 146396 | 40.326 | ng | | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121218\
Data File : BG038534.D
Acq On : 13 Dec 2018 16:05
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTDCCC040EC

Quant Time: Dec 13 17:13:24 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.85 | 237 | 77325 | 38.770 ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 13.13 | 196 | 93623 | 41.943 ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 13.20 | 196 | 98750 | 41.784 ng | | 96 |
| 46) 1,1'-Biphenyl | 13.53 | 154 | 324329 | 39.835 ng | | 99 |
| 47) 2-Chloronaphthalene | 13.58 | 162 | 247973 | 39.429 ng | | 96 |
| 48) 2-Nitroaniline | 13.79 | 65 | 83644 | 41.754 ng | | 94 |
| 49) Acenaphthylene | 14.42 | 152 | 375608 | 39.950 ng | | 99 |
| 50) Dimethylphthalate | 14.15 | 163 | 317183 | 39.992 ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.28 | 165 | 72932 | 40.578 ng | | 99 |
| 52) Acenaphthene | 14.76 | 154 | 224522 | 39.936 ng | | 100 |
| 53) 3-Nitroaniline | 14.61 | 138 | 75805 | 41.374 ng | | 96 |
| 54) 2,4-Dinitrophenol | 14.82 | 184 | 37686 | 38.139 ng | | 92 |
| 55) Dibenzofuran | 15.10 | 168 | 377884 | 39.212 ng | | 98 |
| 56) 4-Nitrophenol | 14.91 | 139 | 57111 | 41.089 ng | | 93 |
| 57) 2,4-Dinitrotoluene | 15.07 | 165 | 101205 | 39.979 ng | | 98 |
| 58) Fluorene | 15.74 | 166 | 284858 | 39.897 ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.32 | 232 | 85639 | 40.277 ng | | 98 |
| 60) Diethylphthalate | 15.50 | 149 | 338767 | 38.909 ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.73 | 204 | 177004 | 39.733 ng | | 97 |
| 62) 4-Nitroaniline | 15.78 | 138 | 77600 | 41.140 ng | | 96 |
| 63) Azobenzene | 16.03 | 77 | 291261 | 40.044 ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 15.83 | 198 | 67791 | 40.452 ng | | 95 |
| 66) n-Nitrosodiphenylamine | 15.95 | 169 | 279525 | 40.495 ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.62 | 248 | 117338 | 40.897 ng | | 95 |
| 68) Hexachlorobenzene | 16.74 | 284 | 121960 | 41.006 ng | | 99 |
| 69) Atrazine | 16.89 | 200 | 106847 | 41.710 ng | | 97 |
| 70) Pentachlorophenol | 17.09 | 266 | 75636 | 42.995 ng | | 96 |
| 71) Phenanthrene | 17.49 | 178 | 486515 | 39.936 ng | | 100 |
| 72) Anthracene | 17.58 | 178 | 482500 | 40.119 ng | | 100 |
| 73) Carbazole | 17.85 | 167 | 474355 | 39.881 ng | | 98 |
| 74) Di-n-butylphthalate | 18.38 | 149 | 546212 | 40.022 ng | | 99 |
| 75) Fluoranthene | 19.49 | 202 | 590095 | 39.149 ng | | 98 |
| 77) Benzidine | 19.68 | 184 | 294199 | 44.097 ng | | 99 |
| 78) Pyrene | 19.86 | 202 | 601206 | 40.341 ng | | 99 |
| 80) Butylbenzylphthalate | 20.73 | 149 | 244320 | 41.961 ng | | 98 |
| 81) Benzo(a)anthracene | 21.70 | 228 | 567756 | 41.302 ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.62 | 252 | 230404 | 42.261 ng | | 100 |
| 83) Chrysene | 21.77 | 228 | 534274 | 40.351 ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.57 | 149 | 342637 | 41.492 ng | | 100 |
| 85) Di-n-octyl phthalate | 22.80 | 149 | 572280 | 41.380 ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.80 | 276 | 650294 | 41.776 ng | # | 85 |
| 88) Benzo(b)fluoranthene | 23.96 | 252 | 564303 | 40.749 ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.03 | 252 | 557094 | 40.399 ng | | 97 |
| 90) Benzo(a)pyrene | 24.86 | 252 | 541816 | 40.556 ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.87 | 278 | 541770 | 40.728 ng | | 99 |
| 92) Benzo(g,h,i)perylene | 30.00 | 276 | 531938 | 40.577 ng | | 97 |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121218\
Data File : BG038534.D
Acq On : 13 Dec 2018 16:05
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDCCC040EC

Quant Time: Dec 13 17:13:24 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration