Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN020718\
Data File : BN000034.D
Acq On : 07 Feb 2018 12:39
Operator : JU/SJ
Sample : SSTDICC025
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** SSTDICC025

Quant Time: Feb 07 14:13:44 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 07 14:04:10 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.48 | 152 | 383016 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.31 | 136 | 1961638 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 15.08 | 164 | 1167080 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.80 | 188 | 2511413 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.93 | 240 | 2681669 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.42 | 264 | 2824507 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.95 | 112 | 1178422 | 45.36 | ng | | 0.00 |
| 7) Phenol-d6 | 7.59 | 99 | 1822499 | 46.19 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.65 | 82 | 1659984 | 51.17 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.55 | 330 | 553213 | 47.15 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.72 | 172 | 4313318 | 49.50 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.36 | 244 | 5323496 | 52.40 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.66 | 88 | 238768 | 23.234 | ng | | 95 |
| 3) Pyridine | 4.10 | 79 | 739535 | 23.728 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 4.01 | 42 | 208103 | 22.695 | ng | # | 95 |
| 6) Aniline | 7.78 | 93 | 1250118 | 23.241 | ng | | 90 |
| 8) 2-Chlorophenol | 8.02 | 128 | 699932 | 24.356 | ng | | 86 |
| 9) Benzaldehyde | 7.59 | 77 | 587441 | 29.157 | ng | | 87 |
| 10) Phenol | 7.62 | 94 | 950585 | 23.569 | ng | | 86 |
| 11) bis(2-Chloroethyl)ether | 7.87 | 93 | 780506 | 24.257 | ng | # | 82 |
| 12) 1,3-Dichlorobenzene | 8.36 | 146 | 784252 | 24.582 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 8.51 | 146 | 800966 | 24.445 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.83 | 146 | 798163 | 24.655 | ng | | 98 |
| 15) Benzyl Alcohol | 8.70 | 79 | 640823 | 22.115 | ng | | 91 |
| 16) 2,2'-oxybis(1-Chloropropan | 9.00 | 45 | 831559 | 23.894 | ng | | 81 |
| 17) 2-Methylphenol | 8.90 | 107 | 685412 | 23.568 | ng | | 94 |
| 18) Hexachloroethane | 9.58 | 117 | 273820 | 24.370 | ng | # | 82 |
| 19) n-Nitroso-di-n-propylamine | 9.28 | 70 | 618413 | 23.258 | ng | # | 83 |
| 20) 3+4-Methylphenols | 9.23 | 107 | 954430 | 23.431 | ng | | 93 |
| 22) Acetophenone | 9.30 | 105 | 1394974 | 24.077 | ng | # | 87 |
| 24) Nitrobenzene | 9.69 | 77 | 908105 | 26.099 | ng | # | 93 |
| 25) Isophorone | 10.22 | 82 | 1723493 | 22.429 | ng | | 96 |
| 26) 2-Nitrophenol | 10.41 | 139 | 288487 | 27.071 | ng | # | 89 |
| 27) 2,4-Dimethylphenol | 10.45 | 122 | 728352 | 23.117 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 10.69 | 93 | 1099880 | 24.815 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.94 | 162 | 656083 | 24.269 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 11.17 | 180 | 784775 | 24.790 | ng | | 98 |
| 31) Naphthalene | 11.36 | 128 | 2713214 | 24.662 | ng | | 97 |
| 32) Benzoic acid | 10.53 | 122 | 359363 | 22.026 | ng | | 87 |
| 33) 4-Chloroaniline | 11.46 | 127 | 1198245 | 23.493 | ng | | 94 |
| 34) Hexachlorobutadiene | 11.64 | 225 | 408592 | 25.334 | ng | | 98 |
| 35) Caprolactam | 12.20 | 113 | 263077 | 21.892 | ng | | 91 |
| 36) 4-Chloro-3-methylphenol | 12.54 | 107 | 844089 | 22.963 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.94 | 142 | 1900783 | 24.450 | ng | | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.29 | 216 | 858887 | 25.266 | ng | # | 96 |
| 40) Hexachlorocyclopentadiene | 13.27 | 237 | 329635 | 29.032 | ng | | 94 |

Data Path : Z:\HPCHEM1\BNA N\DATA\BN020718\
Data File : BN000034.D
Acq On : 07 Feb 2018 12:39
Operator : JU/SJ
Sample : SSTDICC025
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** SSTDICC025

Quant Time: Feb 07 14:13:44 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 07 14:04:10 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.52 | 196 | 493231 | 24.547 ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.59 | 196 | 603136 | 25.489 ng | # | 94 |
| 45) 1,1'-Biphenyl | 13.92 | 154 | 2615118 | 25.079 ng | | 97 |
| 46) 2-Chloronaphthalene | 13.97 | 162 | 1950135 | 24.911 ng | | 98 |
| 47) 2-Nitroaniline | 14.16 | 65 | 491742 | 26.597 ng | # | 83 |
| 48) Acenaphthylene | 14.81 | 152 | 3232953 | 24.593 ng | | 98 |
| 49) Dimethylphthalate | 14.52 | 163 | 2517274 | 24.133 ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.64 | 165 | 488567 | 26.250 ng | | 92 |
| 51) Acenaphthene | 15.15 | 154 | 2036548 | 24.551 ng | | 99 |
| 52) 3-Nitroaniline | 14.97 | 138 | 591665 | 25.932 ng | # | 89 |
| 53) 2,4-Dinitrophenol | 15.17 | 184 | 116905 | 27.317 ng | # | 2 |
| 54) Dibenzofuran | 15.47 | 168 | 2926081 | 24.581 ng | | 96 |
| 55) 4-Nitrophenol | 15.25 | 139 | 412698 | 24.381 ng | # | 84 |
| 56) 2,4-Dinitrotoluene | 15.42 | 165 | 639548 | 26.343 ng | | 93 |
| 57) Fluorene | 16.12 | 166 | 2423929 | 24.183 ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.69 | 232 | 477854 | 24.798 ng | # | 81 |
| 59) Diethylphthalate | 15.86 | 149 | 2570555 | 23.587 ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 16.10 | 204 | 1075633 | 24.281 ng | | 91 |
| 61) 4-Nitroaniline | 16.12 | 138 | 618697 | 25.442 ng | | 91 |
| 62) Azobenzene | 16.39 | 77 | 2584957 | 23.735 ng | | 90 |
| 64) 4,6-Dinitro-2-methylphenol | 16.17 | 198 | 218170 | 28.141 ng | | 89 |
| 65) n-Nitrosodiphenylamine | 16.31 | 169 | 2106181 | 25.664 ng | | 96 |
| 66) 4-Bromophenyl-phenylether | 16.99 | 248 | 597528 | 25.426 ng | # | 87 |
| 67) Hexachlorobenzene | 17.10 | 284 | 697489 | 25.762 ng | # | 86 |
| 68) Atrazine | 17.23 | 200 | 655245 | 26.192 ng | | 95 |
| 69) Pentachlorophenol | 17.44 | 266 | 379500 | 23.404 ng | | 98 |
| 70) Phenanthrene | 17.85 | 178 | 3811208 | 25.221 ng | | 100 |
| 71) Anthracene | 17.93 | 178 | 3772348 | 25.200 ng | | 98 |
| 72) Carbazole | 18.19 | 167 | 3798136 | 24.523 ng | | 97 |
| 73) Di-n-butylphthalate | 18.73 | 149 | 4151337 | 24.136 ng | | 99 |
| 74) Fluoranthene | 19.82 | 202 | 4104759 | 23.923 ng | | 95 |
| 76) Benzidine | 19.99 | 184 | 1998952 | 29.448 ng | | 95 |
| 77) Pyrene | 20.18 | 202 | 4498075 | 26.587 ng | | 100 |
| 79) Butylbenzylphthalate | 21.04 | 149 | 1704844 | 25.280 ng | # | 97 |
| 80) Benzo(a)anthracene | 21.91 | 228 | 4251178 | 25.569 ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.83 | 252 | 1493045 | 26.797 ng | # | 95 |
| 82) Chrysene | 21.96 | 228 | 4242826 | 25.695 ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.81 | 149 | 2741596 | 24.569 ng | # | 93 |
| 84) Di-n-octyl phthalate | 22.77 | 149 | 4193502 | 23.219 ng | # | 94 |
| 85) Indeno(1,2,3-cd)pyrene | 27.00 | 276 | 5091306 | 23.903 ng | # | 87 |
| 87) Benzo(b)fluoranthene | 23.66 | 252 | 4248708 | 25.299 ng | # | 96 |
| 88) Benzo(k)fluoranthene | 23.71 | 252 | 4348089 | 25.823 ng | # | 95 |
| 89) Benzo(a)pyrene | 24.31 | 252 | 4090021 | 25.069 ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 27.00 | 278 | 4277801 | 25.051 ng | # | 91 |
| 91) Benzo(g,h,i)perylene | 27.78 | 276 | 4232519 | 24.388 ng | # | 87 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN020718\
Data File : BN000034.D
Acq On : 07 Feb 2018 12:39
Operator : JU/SJ
Sample : SSTDICC025
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
SSTDICC025

Quant Time: Feb 07 14:13:44 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\8270-BN020718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 07 14:04:10 2018
Response via : Initial Calibration