Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041019\
Data File : BN005125.D
Acq On : 10 Apr 2019 13:31
Operator : JU/SJ
Sample : PB118762BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** PB118762BS

Quant Time: Apr 11 07:30:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN032619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 27 05:27:09 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.65 | 152 | 10521 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.43 | 136 | 43153 | 20.00 | ng | | -0.03 |
| 39) Acenaphthene-d10 | 14.30 | 164 | 22845 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.05 | 188 | 45949 | 20.00 | ng | | -0.02 |
| 76) Chrysene-d12 | 21.26 | 240 | 37587 | 20.00 | ng | | -0.02 |
| 87) Perylene-d12 | 23.48 | 264 | 35421 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.25 | 112 | 84147 | 138.28 | ng | | -0.02 |
| 7) Phenol-d6 | 6.84 | 99 | 102206 | 126.63 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 8.82 | 82 | 59701 | 83.69 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 15.80 | 330 | 49966 | 135.61 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 12.92 | 172 | 157520 | 91.37 | ng | | -0.02 |
| 79) Terphenyl-d14 | 19.69 | 244 | 194142 | 99.44 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.19 | 88 | 6367 | 28.711 | ng | # | 97 |
| 3) Pyridine | 3.57 | 79 | 15396 | 24.843 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.50 | 42 | 6758 | 33.450 | ng | | 99 |
| 6) Aniline | 6.99 | 93 | 34379 | 33.449 | ng | | 100 |
| 8) 2-Chlorophenol | 7.22 | 128 | 31505 | 40.783 | ng | | 98 |
| 9) Benzaldehyde | 6.80 | 77 | 9871 | 21.283 | ng | | 98 |
| 10) Phenol | 6.86 | 94 | 34074 | 39.398 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.09 | 93 | 25333 | 37.878 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.54 | 146 | 31000 | 36.832 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.69 | 146 | 32311 | 37.926 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.00 | 146 | 31370 | 38.475 | ng | | 99 |
| 15) Benzyl Alcohol | 7.90 | 79 | 22721 | 37.001 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.18 | 45 | 27463 | 34.035 | ng | | 96 |
| 17) 2-Methylphenol | 8.10 | 107 | 24252 | 40.223 | ng | | 98 |
| 18) Hexachloroethane | 8.71 | 117 | 10783 | 35.709 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 8.46 | 70 | 18628 | 35.206 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.43 | 107 | 32015 | 39.107 | ng | | 99 |
| 22) Acetophenone | 8.48 | 105 | 40827 | 41.446 | ng | # | 98 |
| 24) Nitrobenzene | 8.86 | 77 | 27848 | 38.573 | ng | | 98 |
| 25) Isophorone | 9.38 | 82 | 51575 | 37.112 | ng | | 98 |
| 26) 2-Nitrophenol | 9.56 | 139 | 16502 | 39.366 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 9.62 | 122 | 27294 | 46.766 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 9.86 | 93 | 33353 | 38.735 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.09 | 162 | 28406 | 42.348 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.30 | 180 | 31280 | 42.333 | ng | | 99 |
| 31) Naphthalene | 10.49 | 128 | 91331 | 40.565 | ng | | 100 |
| 32) Benzoic acid | 9.80 | 122 | 13553 | 31.065 | ng | | 98 |
| 33) 4-Chloroaniline | 10.61 | 127 | 19920 | 21.746 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.75 | 225 | 19324 | 40.418 | ng | | 99 |
| 35) Caprolactam | 11.42 | 113 | 7113 | 32.385 | ng | | 92 |
| 36) 4-Chloro-3-methylphenol | 11.74 | 107 | 27044 | 37.322 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.10 | 142 | 65244 | 41.038 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.33 | 142 | 61575 | 39.580 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.47 | 216 | 34977 | 43.166 | ng | | 99 |

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Operator : JU/SJ
Sample : PB118762BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** PB118762BS

Quant Time: Apr 11 07:30:56 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-BN032619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 27 05:27:09 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.44 | 237 | 42631 | 92.246 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 12.73 | 196 | 21277 | 42.318 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 12.80 | 196 | 22695 | 41.434 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.13 | 154 | 82321 | 42.576 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.17 | 162 | 62923 | 42.408 | ng | | 98 |
| 48) 2-Nitroaniline | 13.40 | 65 | 14160 | 35.851 | ng | | 93 |
| 49) Acenaphthylene | 14.03 | 152 | 97888 | 39.225 | ng | | 100 |
| 50) Dimethylphthalate | 13.77 | 163 | 75229 | 40.082 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 13.90 | 165 | 16700 | 39.102 | ng | | 93 |
| 52) Acenaphthene | 14.37 | 154 | 57338 | 40.844 | ng | | 99 |
| 53) 3-Nitroaniline | 14.23 | 138 | 10202 | 23.372 | ng | | 93 |
| 54) 2,4-Dinitrophenol | 14.45 | 184 | 15443 | 62.372 | ng | | 93 |
| 55) Dibenzofuran | 14.70 | 168 | 89954 | 40.269 | ng | | 100 |
| 56) 4-Nitrophenol | 14.55 | 139 | 23114 | 67.217 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 14.69 | 165 | 22180 | 38.214 | ng | | 98 |
| 58) Fluorene | 15.36 | 166 | 71364 | 39.547 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 14.93 | 232 | 20926 | 41.204 | ng | # | 98 |
| 60) Diethylphthalate | 15.13 | 149 | 74313 | 39.678 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.35 | 204 | 38042 | 40.865 | ng | | 97 |
| 62) 4-Nitroaniline | 15.40 | 138 | 13926 | 31.753 | ng | | 97 |
| 63) Azobenzene | 15.65 | 77 | 57108 | 36.630 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 15.45 | 198 | 10931 | 36.218 | ng | | 100 |
| 66) n-Nitrosodiphenylamine | 15.57 | 169 | 62251 | 43.010 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.25 | 248 | 24647 | 42.984 | ng | | 97 |
| 68) Hexachlorobenzene | 16.35 | 284 | 29522 | 43.946 | ng | | 97 |
| 69) Atrazine | 16.52 | 200 | 20224 | 39.110 | ng | | 99 |
| 70) Pentachlorophenol | 16.70 | 266 | 28419 | 80.460 | ng | | 98 |
| 71) Phenanthrene | 17.10 | 178 | 104479 | 40.467 | ng | | 99 |
| 72) Anthracene | 17.19 | 178 | 106657 | 41.503 | ng | | 100 |
| 73) Carbazole | 17.47 | 167 | 89246 | 38.154 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.02 | 149 | 115487 | 40.529 | ng | | 100 |
| 75) Fluoranthene | 19.12 | 202 | 108453 | 36.821 | ng | | 98 |
| 77) Benzidine | 19.32 | 184 | 37789 | 32.260 | ng | | 99 |
| 78) Pyrene | 19.49 | 202 | 105648 | 42.095 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.39 | 149 | 43458 | 42.614 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.24 | 228 | 90014 | 38.446 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.18 | 252 | 28876 | 32.982 | ng | | 99 |
| 83) Chrysene | 21.29 | 228 | 87783 | 39.253 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.16 | 149 | 60751 | 43.056 | ng | | 100 |
| 85) Di-n-octyl phthalate | 22.03 | 149 | 96285 | 42.284 | ng | | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 25.74 | 276 | 124216 | 48.891 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 22.82 | 252 | 91559 | 41.994 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 22.86 | 252 | 91530 | 45.780 | ng | | 99 |
| 90) Benzo(a)pyrene | 23.39 | 252 | 90675 | 45.448 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 25.74 | 278 | 105104 | 52.474 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 26.43 | 276 | 105372 | 53.195 | ng | | 98 |

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

Quantitation Report (QT Reviewed)

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Data File : BN005125.D
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Operator : JU/SJ
Sample : PB118762BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

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