Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084058.D
Acq On : 24 Dec 2015 2:51
Operator : UM/SJ
Sample : G4936-01MS
Misc :
ALS Vial : 43 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-01MS

Quant Time: Dec 24 04:43:33 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 22 18:54:09 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.82 | 152 | 46405 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.11 | 136 | 189914 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.86 | 164 | 85637 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.34 | 188 | 141457 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.99 | 240 | 95040 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.41 | 264 | 82533 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 334234 | 122.81 | ng | | 0.02 |
| 7) Phenol-d6 | 6.49 | 99 | 413739 | 129.29 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.39 | 82 | 282404 | 91.35 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.66 | 330 | 128150 | 155.58 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.18 | 172 | 567473 | 89.18 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.93 | 244 | 461947 | 115.91 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.58 | 88 | 41031 | 31.67 | ng | # | 86 |
| 3) Pyridine | 3.29 | 79 | 95490m | 32.37 | ng | | |
| 4) n-Nitrosodimethylamine | 3.20 | 42 | 54625 | 49.83 | ng | | 91 |
| 6) Aniline | 6.50 | 93 | 21940 | 4.95 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.62 | 128 | 148907 | 47.51 | ng | | 87 |
| 9) Benzaldehyde | 6.37 | 77 | 26662 | 12.48 | ng | | 90 |
| 10) Phenol | 6.50 | 94 | 166378 | 44.94 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 6.57 | 93 | 132514 | 46.84 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.76 | 146 | 161087m | 46.26 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.84 | 146 | 170726 | 50.21 | ng | | 93 |
| 14) 1,2-Dichlorobenzene | 6.99 | 146 | 143409 | 44.12 | ng | | 96 |
| 15) Benzyl Alcohol | 6.98 | 79 | 121179 | 48.09 | ng | | 91 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.10 | 45 | 121675 | 44.55 | ng | # | 7 |
| 17) 2-Methylphenol | 7.10 | 107 | 116297 | 46.58 | ng | # | 85 |
| 18) Hexachloroethane | 7.33 | 117 | 60582 | 48.58 | ng | | 100 |
| 19) n-Nitroso-di-n-propylamine | 7.24 | 70 | 97378 | 50.22 | ng | # | 85 |
| 20) 3+4-Methylphenols | 7.25 | 107 | 155469 | 50.46 | ng | # | 50 |
| 22) Acetophenone | 7.24 | 105 | 216822 | 48.66 | ng | # | 88 |
| 24) Nitrobenzene | 7.41 | 77 | 158655 | 49.80 | ng | # | 88 |
| 25) Isophorone | 7.65 | 82 | 273684 | 46.72 | ng | | 98 |
| 26) 2-Nitrophenol | 7.72 | 139 | 75633 | 44.11 | ng | # | 80 |
| 27) 2,4-Dimethylphenol | 7.78 | 122 | 141978 | 47.51 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.86 | 93 | 161569 | 44.53 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.98 | 162 | 122592 | 45.91 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 8.05 | 180 | 135544 | 48.67 | ng | | 96 |
| 31) Naphthalene | 8.13 | 128 | 532264 | 54.86 | ng | | 99 |
| 32) Benzoic acid | 7.92 | 122 | 57183 | 42.20 | ng | | 97 |
| 33) 4-Chloroaniline | 8.19 | 127 | 14473 | 3.65 | ng | # | 91 |
| 34) Hexachlorobutadiene | 8.25 | 225 | 74575 | 44.80 | ng | | 99 |
| 35) Caprolactam | 8.57 | 113 | 29333m | 36.56 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.69 | 107 | 141023 | 49.38 | ng | | 93 |
| 37) 2-Methylnaphthalene | 8.82 | 142 | 294119 | 46.81 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.99 | 216 | 132058 | 51.30 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.98 | 237 | 31178 | 44.11 | ng | | 98 |

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084058.D
Acq On : 24 Dec 2015 2:51
Operator : UM/SJ
Sample : G4936-01MS
Misc :
ALS Vial : 43 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** WC-01MS

Quant Time: Dec 24 04:43:33 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 22 18:54:09 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.12 | 196 | 82666 | 53.32 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.16 | 196 | 88911 | 55.10 | ng | # | 91 |
| 45) 1,1'-Biphenyl | 9.29 | 154 | 386118 | 51.00 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.31 | 162 | 272078 | 49.92 | ng | | 97 |
| 47) 2-Nitroaniline | 9.41 | 65 | 79156 | 53.28 | ng | # | 82 |
| 48) Acenaphthylene | 9.72 | 152 | 412960 | 47.85 | ng | | 99 |
| 49) Dimethylphthalate | 9.60 | 163 | 358536 | 53.50 | ng | # | 91 |
| 50) 2,6-Dinitrotoluene | 9.65 | 165 | 67972 | 48.06 | ng | # | 67 |
| 51) Acenaphthene | 9.89 | 154 | 244594 | 47.66 | ng | | 99 |
| 52) 3-Nitroaniline | 9.82 | 138 | 16190 | 10.78 | ng | # | 76 |
| 53) 2,4-Dinitrophenol | 9.94 | 184 | 12925 | 27.23 | ng | | 92 |
| 54) Dibenzofuran | 10.06 | 168 | 371541 | 48.37 | ng | # | 89 |
| 55) 4-Nitrophenol | 10.02 | 139 | 59927 | 67.89 | ng | | 95 |
| 56) 2,4-Dinitrotoluene | 10.06 | 165 | 98154 | 55.21 | ng | | 92 |
| 57) Fluorene | 10.41 | 166 | 290484 | 47.73 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.20 | 232 | 59587 | 46.84 | ng | | 92 |
| 59) Diethylphthalate | 10.29 | 149 | 364343 | 55.32 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.41 | 204 | 136813 | 49.06 | ng | | 91 |
| 61) 4-Nitroaniline | 10.44 | 138 | 58931 | 38.35 | ng | | 95 |
| 62) Azobenzene | 10.57 | 77 | 299430 | 51.50 | ng | | 92 |
| 64) 4,6-Dinitro-2-methylphenol | 10.48 | 198 | 13989 | 16.92 | ng | | 87 |
| 65) n-Nitrosodiphenylamine | 10.52 | 169 | 227682 | 43.58 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.89 | 248 | 78151 | 48.18 | ng | # | 63 |
| 67) Hexachlorobenzene | 10.97 | 284 | 92087 | 52.01 | ng | # | 93 |
| 68) Atrazine | 11.06 | 200 | 80219 | 50.79 | ng | | 97 |
| 69) Pentachlorophenol | 11.16 | 266 | 55268 | 84.78 | ng | | 99 |
| 70) Phenanthrene | 11.37 | 178 | 374006 | 46.78 | ng | | 99 |
| 71) Anthracene | 11.42 | 178 | 399238 | 49.17 | ng | | 100 |
| 72) Carbazole | 11.58 | 167 | 349082 | 45.98 | ng | | 97 |
| 73) Di-n-butylphthalate | 11.92 | 149 | 504548 | 53.52 | ng | | 100 |
| 74) Fluoranthene | 12.56 | 202 | 333320 | 42.04 | ng | | 99 |
| 77) Pyrene | 12.79 | 202 | 336838 | 52.24 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.40 | 149 | 176306 | 59.45 | ng | | 95 |
| 80) Benzo(a)anthracene | 13.97 | 228 | 260689 | 47.57 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.93 | 252 | 29650 | 14.39 | ng | # | 93 |
| 82) Chrysene | 14.01 | 228 | 238750 | 46.93 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.96 | 149 | 235321 | 57.22 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.57 | 149 | 359625 | 56.86 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.82 | 276 | 240182 | 57.07 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 15.00 | 252 | 305131m | 58.64 | ng | | |
| 88) Benzo(k)fluoranthene | 15.04 | 252 | 202954m | 41.01 | ng | | |
| 89) Benzo(a)pyrene | 15.36 | 252 | 242510 | 50.32 | ng | # | 98 |
| 90) Dibenzo(a,h)anthracene | 16.83 | 278 | 201883 | 50.55 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 17.24 | 276 | 180568 | 44.70 | ng | | 98 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084058.D
Acq On : 24 Dec 2015 2:51
Operator : UM/SJ
Sample : G4936-01MS
Misc :
ALS Vial : 43 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC-01MS

Quant Time: Dec 24 04:43:33 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 22 18:54:09 2015
Response via : Initial Calibration