Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
Data File : BF085162.D
Acq On : 3 Mar 2016 17:57
Operator : SJ/UM
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**
UMANGI
3/4/2016 4:28:29 PM

Quant Time: Mar 04 00:23:24 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:11:57 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.98 | 152 | 183696 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.26 | 136 | 743532 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.02 | 164 | 340733 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.51 | 188 | 643488 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.15 | 240 | 404573 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.61 | 264 | 315906 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.59 | 112 | 1701343 | 151.30 | ng | | 0.01 |
| 7) Phenol-d6 | 6.62 | 99 | 2051342 | 139.28 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.56 | 82 | 1935389 | 138.98 | ng | | 0.01 |
| 41) 2,4,6-Tribromophenol | 10.81 | 330 | 427532 | 128.42 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.35 | 172 | 2855640 | 124.27 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.10 | 244 | 2830880 | 163.31 | ng | | 0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.66 | 88 | 414166 | 74.29 | ng | | 100 |
| 3) Pyridine | 3.44 | 79 | 1080571 | 76.33 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.41 | 42 | 466394 | 72.32 | ng | | 100 |
| 6) Aniline | 6.65 | 93 | 1466303 | 70.18 | ng | | 100 |
| 8) 2-Chlorophenol | 6.77 | 128 | 879270 | 67.39 | ng | | 92 |
| 9) Benzaldehyde | 6.53 | 77 | 426344 | 55.65 | ng | | 99 |
| 10) Phenol | 6.63 | 94 | 1217936m | 74.50 | ng | | |
| 11) bis(2-Chloroethyl)ether | 6.72 | 93 | 847200 | 64.82 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.93 | 146 | 999829m | 71.54 | ng | | |
| 13) 1,4-Dichlorobenzene | 7.01 | 146 | 1027511m | 72.33 | ng | | |
| 14) 1,2-Dichlorobenzene | 7.16 | 146 | 805605 | 63.60 | ng | | 96 |
| 15) Benzyl Alcohol | 7.12 | 79 | 803484 | 74.50 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.26 | 45 | 1336316 | 69.56 | ng | | 100 |
| 17) 2-Methylphenol | 7.24 | 107 | 791598 | 72.66 | ng | | 98 |
| 18) Hexachloroethane | 7.50 | 117 | 375900 | 71.23 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.41 | 70 | 674853 | 70.01 | ng | # | 89 |
| 20) 3+4-Methylphenols | 7.40 | 107 | 878093 | 67.59 | ng | # | 85 |
| 22) Acetophenone | 7.40 | 105 | 1248831 | 66.66 | ng | # | 87 |
| 24) Nitrobenzene | 7.58 | 77 | 1101943 | 75.63 | ng | # | 82 |
| 25) Isophorone | 7.82 | 82 | 2008529 | 75.41 | ng | | 97 |
| 26) 2-Nitrophenol | 7.89 | 139 | 575125 | 88.22 | ng | # | 82 |
| 27) 2,4-Dimethylphenol | 7.92 | 122 | 883005 | 70.13 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 8.02 | 93 | 1106964 | 74.94 | ng | # | 97 |
| 29) 2,4-Dichlorophenol | 8.13 | 162 | 756924 | 73.44 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 8.21 | 180 | 755219 | 66.94 | ng | | 99 |
| 31) Naphthalene | 8.30 | 128 | 2613587 | 69.86 | ng | | 99 |
| 32) Benzoic acid | 8.07 | 122 | 704254 | 113.45 | ng | | 99 |
| 33) 4-Chloroaniline | 8.34 | 127 | 1159848 | 78.06 | ng | # | 89 |
| 34) Hexachlorobutadiene | 8.41 | 225 | 441076 | 68.91 | ng | | 99 |
| 35) Caprolactam | 8.74 | 113 | 282628 | 86.86 | ng | # | 83 |
| 36) 4-Chloro-3-methylphenol | 8.82 | 107 | 948510 | 83.04 | ng | | 94 |
| 37) 2-Methylnaphthalene | 8.98 | 142 | 1615913 | 69.94 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.14 | 216 | 703656 | 68.04 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.13 | 237 | 416098 | 71.45 | ng | | 99 |

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
Data File : BF085162.D
Acq On : 3 Mar 2016 17:57
Operator : SJ/UM
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**
UMANGI
3/4/2016 4:28:29 PM

Quant Time: Mar 04 00:23:24 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:11:57 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.26 | 196 | 562072 | 79.97 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.29 | 196 | 511256 | 75.95 | ng | | 94 |
| 45) 1,1'-Biphenyl | 9.45 | 154 | 2121281 | 71.55 | ng | | 94 |
| 46) 2-Chloronaphthalene | 9.48 | 162 | 1546060 | 70.63 | ng | | 94 |
| 47) 2-Nitroaniline | 9.57 | 65 | 563269 | 82.32 | ng | | 89 |
| 48) Acenaphthylene | 9.89 | 152 | 2314384 | 70.15 | ng | | 100 |
| 49) Dimethylphthalate | 9.75 | 163 | 1815416 | 71.69 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.81 | 165 | 412152 | 78.44 | ng | # | 82 |
| 51) Acenaphthene | 10.06 | 154 | 1440163 | 69.77 | ng | | 100 |
| 52) 3-Nitroaniline | 9.98 | 138 | 437392 | 70.37 | ng | # | 80 |
| 53) 2,4-Dinitrophenol | 10.08 | 184 | 237483 | 137.63 | ng | # | 48 |
| 54) Dibenzofuran | 10.23 | 168 | 1749637 | 65.13 | ng | | 98 |
| 55) 4-Nitrophenol | 10.13 | 139 | 367082 | 76.22 | ng | # | 72 |
| 56) 2,4-Dinitrotoluene | 10.22 | 165 | 613931 | 86.87 | ng | # | 73 |
| 57) Fluorene | 10.57 | 166 | 1386142 | 65.43 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.34 | 232 | 344565 | 68.55 | ng | | 99 |
| 59) Diethylphthalate | 10.45 | 149 | 1732038 | 71.83 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.56 | 204 | 679634 | 62.81 | ng | | 95 |
| 61) 4-Nitroaniline | 10.60 | 138 | 502498 | 86.96 | ng | | 99 |
| 62) Azobenzene | 10.72 | 77 | 1715915 | 70.23 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.62 | 198 | 304215 | 93.22 | ng | # | 52 |
| 65) n-Nitrosodiphenylamine | 10.69 | 169 | 1394884 | 69.51 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 11.05 | 248 | 423831 | 62.76 | ng | # | 89 |
| 67) Hexachlorobenzene | 11.12 | 284 | 452424 | 60.26 | ng | # | 87 |
| 68) Atrazine | 11.21 | 200 | 359778 | 59.48 | ng | | 94 |
| 69) Pentachlorophenol | 11.32 | 266 | 301047 | 69.17 | ng | | 97 |
| 70) Phenanthrene | 11.53 | 178 | 2130582 | 65.93 | ng | | 100 |
| 71) Anthracene | 11.59 | 178 | 2348937 | 65.64 | ng | | 97 |
| 72) Carbazole | 11.74 | 167 | 1902262 | 60.79 | ng | | 97 |
| 73) Di-n-butylphthalate | 12.07 | 149 | 2815212 | 75.87 | ng | | 99 |
| 74) Fluoranthene | 12.72 | 202 | 2145148 | 61.34 | ng | | 97 |
| 76) Benzidine | 12.84 | 184 | 799477 | 62.52 | ng | | 96 |
| 77) Pyrene | 12.95 | 202 | 2098531 | 72.83 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.57 | 149 | 1148445 | 94.51 | ng | # | 73 |
| 80) Benzo(a)anthracene | 14.14 | 228 | 1763438 | 74.11 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 14.09 | 252 | 602256 | 80.78 | ng | # | 98 |
| 82) Chrysene | 14.17 | 228 | 1529260 | 69.08 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.12 | 149 | 1322858 | 92.89 | ng | | 100 |
| 84) Di-n-octyl phthalate | 14.73 | 149 | 2086773 | 96.50 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 17.10 | 276 | 1537129 | 82.41 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 15.19 | 252 | 1514264 | 77.15 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 15.23 | 252 | 1403665m | 85.66 | ng | | |
| 89) Benzo(a)pyrene | 15.56 | 252 | 1308740 | 79.87 | ng | # | 94 |
| 90) Dibenzo(a,h)anthracene | 17.12 | 278 | 1255225 | 85.21 | ng | | 100 |
| 91) Benzo(g,h,i)perylene | 17.56 | 276 | 1294382 | 86.31 | ng | | 98 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030316\
Data File : BF085162.D
Acq On : 3 Mar 2016 17:57
Operator : SJ/UM
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 04 00:23:24 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 04 00:11:57 2016
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC080

**Manual Integrations APPROVED**
UMANGI
3/4/2016 4:28:29 PM