Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073115\
Data File : BF080723.D
Acq On : 31 Jul 2015 8:48
Operator : TP/UM
Sample : SSTDCCC040
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDCCC040

**Manual Integrations APPROVED**
MMDadoda
8/3/2015 11:54:51 AM

Quant Time: Aug 01 00:09:29 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF073015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 31 01:45:22 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 185833 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.14 | 136 | 704342 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.89 | 164 | 354610 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.37 | 188 | 600200 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.00 | 240 | 355059 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.41 | 264 | 331846 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.45 | 112 | 837871 | 77.35 | ng | | 0.00 |
| 7) Phenol-d6 | 6.49 | 99 | 1193476 | 80.93 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.42 | 82 | 1188320 | 81.70 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.68 | 330 | 308895 | 83.95 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.22 | 172 | 1694882 | 71.31 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.96 | 244 | 1592606 | 84.83 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.50 | 88 | 208915 | 39.11 | ng | | 99 |
| 3) Pyridine | 3.22 | 79 | 577565 | 38.97 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.17 | 42 | 348873 | 41.18 | ng | | 99 |
| 6) Aniline | 6.52 | 93 | 831419 | 39.16 | ng | | 98 |
| 8) 2-Chlorophenol | 6.64 | 128 | 453435 | 37.34 | ng | | 96 |
| 9) Benzaldehyde | 6.41 | 77 | 355246 | 38.73 | ng | | 97 |
| 10) Phenol | 6.50 | 94 | 737132 | 43.19 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.59 | 93 | 431617 | 35.40 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.80 | 146 | 528175 | 39.07 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.88 | 146 | 562765 | 40.81 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.02 | 146 | 461781 | 36.64 | ng | | 99 |
| 15) Benzyl Alcohol | 7.00 | 79 | 480570 | 39.24 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.14 | 45 | 987419 | 37.91 | ng | | 100 |
| 17) 2-Methylphenol | 7.10 | 107 | 389239 | 39.05 | ng | | 99 |
| 18) Hexachloroethane | 7.37 | 117 | 199616 | 38.79 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.28 | 70 | 374138 | 37.67 | ng | | 100 |
| 20) 3+4-Methylphenols | 7.26 | 107 | 481550 | 39.16 | ng | | 96 |
| 22) Acetophenone | 7.26 | 105 | 653548 | 38.44 | ng | | 98 |
| 24) Nitrobenzene | 7.44 | 77 | 530370 | 36.40 | ng | | 98 |
| 25) Isophorone | 7.69 | 82 | 1009904 | 39.04 | ng | # | 93 |
| 26) 2-Nitrophenol | 7.76 | 139 | 258705m | 43.74 | ng | | |
| 27) 2,4-Dimethylphenol | 7.79 | 122 | 413491m | 37.21 | ng | | |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93 | 608092 | 39.68 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.00 | 162 | 407107 | 41.22 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.08 | 180 | 410794 | 38.14 | ng | | 99 |
| 31) Naphthalene | 8.16 | 128 | 1331094 | 37.86 | ng | | 99 |
| 32) Benzoic acid | 7.92 | 122 | 335449m | 43.08 | ng | | |
| 33) 4-Chloroaniline | 8.21 | 127 | 596289 | 40.19 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.28 | 225 | 273241 | 39.29 | ng | | 99 |
| 35) Caprolactam | 8.59 | 113 | 121942 | 41.23 | ng | # | 88 |
| 36) 4-Chloro-3-methylphenol | 8.69 | 107 | 452666 | 42.51 | ng | # | 88 |
| 37) 2-Methylnaphthalene | 8.85 | 142 | 890355 | 40.34 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.01 | 216 | 389670 | 34.99 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.01 | 237 | 257567 | 37.60 | ng | | 98 |

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073115\
Data File : BF080723.D
Acq On : 31 Jul 2015 8:48
Operator : TP/UM
Sample : SSTDCCC040
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDCCC040

**Manual Integrations APPROVED**
MMDadoda
8/3/2015 11:54:51 AM

Quant Time: Aug 01 00:09:29 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF073015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 31 01:45:22 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.13 | 196 | 280135m | 36.16 | ng | | |
| 43) 2,4,5-Trichlorophenol | 9.16 | 196 | 290050m | 37.75 | ng | | |
| 45) 1,1'-Biphenyl | 9.32 | 154 | 999319 | 36.75 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.34 | 162 | 831287 | 37.43 | ng | | 98 |
| 47) 2-Nitroaniline | 9.44 | 65 | 358435 | 41.48 | ng | | 90 |
| 48) Acenaphthylene | 9.76 | 152 | 1349104 | 38.20 | ng | | 100 |
| 49) Dimethylphthalate | 9.62 | 163 | 858723 | 34.36 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.68 | 165 | 184412 | 34.77 | ng | | 87 |
| 51) Acenaphthene | 9.93 | 154 | 821551 | 38.14 | ng | | 100 |
| 52) 3-Nitroaniline | 9.85 | 138 | 249198 | 40.72 | ng | # | 75 |
| 53) 2,4-Dinitrophenol | 9.95 | 184 | 105234 | 37.26 | ng | # | 43 |
| 54) Dibenzofuran | 10.10 | 168 | 1121667 | 38.93 | ng | | 99 |
| 55) 4-Nitrophenol | 10.00 | 139 | 177834 | 39.44 | ng | # | 72 |
| 56) 2,4-Dinitrotoluene | 10.08 | 165 | 249330 | 35.85 | ng | | 90 |
| 57) Fluorene | 10.44 | 166 | 865050 | 38.68 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.21 | 232 | 240140 | 41.44 | ng | | 99 |
| 59) Diethylphthalate | 10.32 | 149 | 880806 | 36.57 | ng | | 100 |
| 60) 4-Chlorophenyl-phenylether | 10.43 | 204 | 373595 | 38.39 | ng | | 97 |
| 61) 4-Nitroaniline | 10.45 | 138 | 196482 | 35.56 | ng | | 93 |
| 62) Azobenzene | 10.59 | 77 | 1051804 | 40.31 | ng | | 99 |
| 64) 4,6-Dinitro-2-methylphenol | 10.49 | 198 | 147986 | 40.94 | ng | # | 31 |
| 65) n-Nitrosodiphenylamine | 10.54 | 169 | 775000 | 39.39 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.92 | 248 | 260504 | 42.05 | ng | | 98 |
| 67) Hexachlorobenzene | 10.98 | 284 | 269056 | 37.56 | ng | | 99 |
| 68) Atrazine | 11.08 | 200 | 205007 | 42.91 | ng | | 90 |
| 69) Pentachlorophenol | 11.17 | 266 | 173101 | 39.93 | ng | | 99 |
| 70) Phenanthrene | 11.39 | 178 | 1103585 | 36.50 | ng | | 100 |
| 71) Anthracene | 11.45 | 178 | 1195095 | 40.22 | ng | | 100 |
| 72) Carbazole | 11.60 | 167 | 916639 | 35.54 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.94 | 149 | 1304214 | 40.78 | ng | | 100 |
| 74) Fluoranthene | 12.58 | 202 | 1170139 | 40.03 | ng | | 99 |
| 76) Benzidine | 12.71 | 184 | 525948 | 40.68 | ng | | 98 |
| 77) Pyrene | 12.81 | 202 | 1165943 | 42.34 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.43 | 149 | 439696 | 38.73 | ng | | 98 |
| 80) Benzo(a)anthracene | 13.99 | 228 | 800885 | 37.51 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 13.95 | 252 | 277956 | 38.14 | ng | | 99 |
| 82) Chrysene | 14.03 | 228 | 844049 | 40.72 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 14.00 | 149 | 569101 | 41.51 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.60 | 149 | 960224 | 41.77 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.80 | 276 | 809761 | 43.42 | ng | # | 88 |
| 87) Benzo(b)fluoranthene | 15.01 | 252 | 747944 | 37.73 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.04 | 252 | 632603m | 38.78 | ng | | |
| 89) Benzo(a)pyrene | 15.36 | 252 | 627889 | 38.58 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.82 | 278 | 664132 | 45.59 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.22 | 276 | 680869 | 47.50 | ng | # | 95 |

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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF073115\
Data File : BF080723.D
Acq On : 31 Jul 2015 8:48
Operator : TP/UM
Sample : SSTDCCC040
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 01 00:09:29 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF073015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 31 01:45:22 2015
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
MMDadoda
8/3/2015 11:54:51 AM