Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012215\
Data File : BF077010.D
Acq On : 22 Jan 2015 12:38
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Jan 22 23:55:04 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 21 14:45:53 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.85 | 152 | 31622 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.77 | 136 | 131697 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.89 | 164 | 71597 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.69 | 188 | 119150 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.19 | 240 | 115839 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 22.84 | 264 | 103338 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 4.89 | 112 | 154606 | 80.39 | ng | | -0.01 |
| 7) Phenol-d6 | 7.26 | 99 | 192002 | 79.14 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 9.16 | 82 | 198206 | 83.38 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 16.59 | 330 | 47734 | 82.13 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 13.42 | 172 | 385689 | 81.98 | ng | | 0.00 |
| 78) Terphenyl-d14 | 19.92 | 244 | 398697 | 79.24 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.20 | 88 | 26528 | 32.21 | ng | | 98 |
| 3) Pyridine | 1.66 | 79 | 84376 | 39.59 | ng | | 92 |
| 4) n-Nitrosodimethylamine | 1.62 | 42 | 43275 | 40.99 | ng | | 96 |
| 6) Aniline | 7.14 | 93 | 135939 | 40.49 | ng | | 96 |
| 8) 2-Chlorophenol | 7.38 | 128 | 88328 | 39.84 | ng | | 97 |
| 9) Benzaldehyde | 6.86 | 77 | 58151 | 42.54 | ng | | 98 |
| 10) Phenol | 7.29 | 94 | 105238 | 40.85 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.40 | 93 | 82413 | 40.88 | ng | # | 79 |
| 12) 1,3-Dichlorobenzene | 7.69 | 146 | 100422 | 39.81 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 7.89 | 146 | 104474 | 39.06 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.21 | 146 | 99196 | 40.25 | ng | | 98 |
| 15) Benzyl Alcohol | 8.29 | 79 | 79838 | 40.67 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.64 | 45 | 106239 | 39.21 | ng | | 90 |
| 17) 2-Methylphenol | 8.64 | 107 | 72466 | 39.99 | ng | | 99 |
| 18) Hexachloroethane | 8.95 | 117 | 36589 | 39.33 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.93 | 70 | 66818 | 39.34 | ng | | 97 |
| 20) 3+4-Methylphenols | 9.02 | 107 | 95041 | 39.61 | ng | | 98 |
| 22) Acetophenone | 8.85 | 105 | 133492 | 41.38 | ng | | 97 |
| 24) Nitrobenzene | 9.20 | 77 | 98323 | 40.60 | ng | | 96 |
| 25) Isophorone | 9.80 | 82 | 179201 | 41.39 | ng | | 97 |
| 26) 2-Nitrophenol | 9.93 | 139 | 48198 | 39.20 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 10.22 | 122 | 78309 | 41.82 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 10.42 | 93 | 103248 | 41.96 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.54 | 162 | 72342 | 41.45 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.68 | 180 | 79702 | 41.11 | ng | | 94 |
| 31) Naphthalene | 10.81 | 128 | 279970 | 41.29 | ng | | 100 |
| 32) Benzoic acid | 10.60 | 122 | 39087m | 37.67 | ng | | |
| 33) 4-Chloroaniline | 11.05 | 127 | 114449 | 41.77 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.18 | 225 | 46586 | 40.50 | ng | | 94 |
| 35) Caprolactam | 11.92 | 113 | 21199 | 41.26 | ng | # | 91 |
| 36) 4-Chloro-3-methylphenol | 12.36 | 107 | 81032 | 40.55 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.47 | 142 | 188574 | 40.73 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.87 | 216 | 71900 | 40.62 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 12.86 | 237 | 37798 | 41.97 | ng | | 97 |

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012215\
Data File : BF077010.D
Acq On : 22 Jan 2015 12:38
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Jan 22 23:55:04 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 21 14:45:53 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.21 | 196 | 53095 | 41.17 | ng | | 95 |
| 43) 2,4,5-Trichlorophenol | 13.31 | 196 | 55486 | 42.18 | ng | | 95 |
| 45) 1,1'-Biphenyl | 13.61 | 154 | 221597 | 41.75 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.59 | 162 | 181737 | 41.61 | ng | | 98 |
| 47) 2-Nitroaniline | 13.93 | 65 | 57077 | 43.08 | ng | | 99 |
| 48) Acenaphthylene | 14.54 | 152 | 301061 | 40.86 | ng | | 99 |
| 49) Dimethylphthalate | 14.49 | 163 | 208797 | 41.12 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.59 | 165 | 43818 | 43.19 | ng | | 95 |
| 51) Acenaphthene | 14.96 | 154 | 170181 | 40.71 | ng | | 96 |
| 52) 3-Nitroaniline | 14.94 | 138 | 50562 | 38.54 | ng | | 93 |
| 53) 2,4-Dinitrophenol | 15.21 | 184 | 15286 | 39.15 | ng | | 91 |
| 54) Dibenzofuran | 15.40 | 168 | 249155 | 40.92 | ng | | 96 |
| 55) 4-Nitrophenol | 15.53 | 139 | 32662 | 41.04 | ng | | 91 |
| 56) 2,4-Dinitrotoluene | 15.52 | 165 | 59361 | 39.43 | ng | | 95 |
| 57) Fluorene | 16.13 | 166 | 209058 | 40.52 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.74 | 232 | 41903 | 43.75 | ng | # | 97 |
| 59) Diethylphthalate | 16.13 | 149 | 211694 | 41.25 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 16.22 | 204 | 84438 | 40.00 | ng | | 87 |
| 61) 4-Nitroaniline | 16.28 | 138 | 51041 | 40.16 | ng | | 98 |
| 62) Azobenzene | 16.51 | 77 | 222219 | 41.56 | ng | | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 16.35 | 198 | 29484 | 39.16 | ng | | 96 |
| 65) n-Nitrosodiphenylamine | 16.46 | 169 | 175165 | 41.23 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 17.07 | 248 | 50639 | 41.95 | ng | | 91 |
| 67) Hexachlorobenzene | 17.08 | 284 | 52879 | 41.57 | ng | # | 88 |
| 68) Atrazine | 17.44 | 200 | 54237 | 42.07 | ng | | 99 |
| 69) Pentachlorophenol | 17.44 | 266 | 22796 | 42.60 | ng | | 90 |
| 70) Phenanthrene | 17.73 | 178 | 299767 | 40.34 | ng | | 99 |
| 71) Anthracene | 17.81 | 178 | 293686 | 40.53 | ng | | 99 |
| 72) Carbazole | 18.09 | 167 | 297994 | 42.40 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.68 | 149 | 350265 | 43.06 | ng | # | 98 |
| 74) Fluoranthene | 19.37 | 202 | 312784 | 41.08 | ng | | 96 |
| 76) Benzidine | 19.61 | 184 | 164912 | 44.49 | ng | | 99 |
| 77) Pyrene | 19.66 | 202 | 316644 | 39.88 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.59 | 149 | 150619 | 41.89 | ng | | 91 |
| 80) Benzo(a)anthracene | 21.18 | 228 | 295406 | 40.65 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.19 | 252 | 94283 | 40.82 | ng | | 98 |
| 82) Chrysene | 21.23 | 228 | 262005 | 39.53 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.33 | 149 | 212421 | 42.70 | ng | | 99 |
| 84) Di-n-octyl phthalate | 22.09 | 149 | 365613 | 42.35 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 23.96 | 276 | 288221 | 41.03 | ng | # | 83 |
| 87) Benzo(b)fluoranthene | 22.43 | 252 | 289342 | 41.57 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 22.46 | 252 | 239969m | 39.46 | ng | | |
| 89) Benzo(a)pyrene | 22.78 | 252 | 246549 | 40.16 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 23.98 | 278 | 233736 | 41.49 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 24.24 | 276 | 235603 | 42.07 | ng | | 98 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012215\
Data File : BF077010.D
Acq On : 22 Jan 2015 12:38
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**LabSampleId :**
SSTDCCC040

Quant Time: Jan 22 23:55:04 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 21 14:45:53 2015
Response via : Initial Calibration