Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052616\
Data File : BF087430.D
Acq On : 27 May 2016 4:21
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
sohil
5/27/2016 7:38:11 PM

Quant Time: May 27 07:44:42 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 16:26:52 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.51 | 152 | 152602 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 9.54 | 136 | 631392 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 12.38 | 164 | 289379 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 14.78 | 188 | 549198 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 18.47 | 240 | 387526 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 20.14 | 264 | 314621 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.40 | 112 | 747269 | 86.05 | ng | | -0.01 |
| 7) Phenol-d6 | 7.07 | 99 | 998982 | 85.13 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.43 | 82 | 1059549 | 84.57 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 13.67 | 330 | 215542 | 77.51 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 11.32 | 172 | 1538869 | 74.97 | ng | | -0.01 |
| 78) Terphenyl-d14 | 17.12 | 244 | 1450127 | 79.56 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.82 | 88 | 186249 | 40.64 | ng | # | 73 |
| 3) Pyridine | 2.40 | 79 | 400645 | 39.99 | ng | # | 68 |
| 4) n-Nitrosodimethylamine | 2.38 | 42 | 344590 | 44.64 | ng | # | 45 |
| 6) Aniline | 7.02 | 93 | 639049 | 42.10 | ng | | 93 |
| 8) 2-Chlorophenol | 7.20 | 128 | 444795 | 41.07 | ng | | 96 |
| 9) Benzaldehyde | 6.82 | 77 | 247051 | 38.13 | ng | | 94 |
| 10) Phenol | 7.08 | 94 | 543558 | 42.42 | ng | | 78 |
| 11) bis(2-Chloroethyl)ether | 7.15 | 93 | 417009 | 40.21 | ng | | 85 |
| 12) 1,3-Dichlorobenzene | 7.40 | 146 | 473298m | 40.07 | ng | | |
| 13) 1,4-Dichlorobenzene | 7.54 | 146 | 488911 | 40.31 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 7.77 | 146 | 456035 | 40.65 | ng | | 98 |
| 15) Benzyl Alcohol | 7.82 | 79 | 367764 | 42.99 | ng | | 90 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.00 | 45 | 893644 | 38.29 | ng | | 86 |
| 17) 2-Methylphenol | 8.02 | 107 | 362640 | 41.78 | ng | # | 83 |
| 18) Hexachloroethane | 8.28 | 117 | 184684 | 40.82 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.24 | 70 | 343653 | 39.27 | ng | # | 70 |
| 20) 3+4-Methylphenols | 8.28 | 107 | 447987 | 42.70 | ng | # | 59 |
| 22) Acetophenone | 8.20 | 105 | 632515 | 41.93 | ng | # | 97 |
| 24) Nitrobenzene | 8.47 | 77 | 557896 | 42.19 | ng | | 96 |
| 25) Isophorone | 8.86 | 82 | 892265 | 39.71 | ng | | 99 |
| 26) 2-Nitrophenol | 8.97 | 139 | 232336 | 42.98 | ng | # | 80 |
| 27) 2,4-Dimethylphenol | 9.11 | 122 | 375535 | 40.02 | ng | # | 84 |
| 28) bis(2-Chloroethoxy)methane | 9.23 | 93 | 486221 | 38.42 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 9.38 | 162 | 326523 | 38.61 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 9.47 | 180 | 386833 | 39.96 | ng | | 97 |
| 31) Naphthalene | 9.58 | 128 | 1240953 | 39.22 | ng | | 99 |
| 32) Benzoic acid | 9.46 | 122 | 166940 | 36.18 | ng | # | 81 |
| 33) 4-Chloroaniline | 9.72 | 127 | 480025 | 41.19 | ng | # | 94 |
| 34) Hexachlorobutadiene | 9.79 | 225 | 228677 | 38.86 | ng | | 98 |
| 35) Caprolactam | 10.38 | 113 | 109332m | 44.30 | ng | | |
| 36) 4-Chloro-3-methylphenol | 10.59 | 107 | 417675 | 43.68 | ng | | 92 |
| 37) 2-Methylnaphthalene | 10.71 | 142 | 788442 | 39.89 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 10.98 | 216 | 360793 | 38.95 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 10.95 | 237 | 97894 | 32.10 | ng | | 95 |

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052616\
Data File : BF087430.D
Acq On : 27 May 2016 4:21
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
sohil
5/27/2016 7:38:11 PM

Quant Time: May 27 07:44:42 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 16:26:52 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 11.21 | 196 | 210574 | 39.38 | ng | | 93 |
| 43) 2,4,5-Trichlorophenol | 11.29 | 196 | 212645 | 39.05 | ng | # | 90 |
| 45) 1,1'-Biphenyl | 11.47 | 154 | 958698 | 39.35 | ng | | 97 |
| 46) 2-Chloronaphthalene | 11.48 | 162 | 730428 | 39.19 | ng | # | 91 |
| 47) 2-Nitroaniline | 11.71 | 65 | 300788 | 44.79 | ng | | 85 |
| 48) Acenaphthylene | 12.15 | 152 | 1188347 | 40.27 | ng | | 99 |
| 49) Dimethylphthalate | 12.03 | 163 | 913540 | 39.41 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 12.12 | 165 | 188753 | 40.41 | ng | # | 80 |
| 51) Acenaphthene | 12.42 | 154 | 722448 | 39.83 | ng | | 98 |
| 52) 3-Nitroaniline | 12.39 | 138 | 201857 | 42.11 | ng | # | 77 |
| 53) 2,4-Dinitrophenol | 12.60 | 184 | 65701 | 31.78 | ng | # | 81 |
| 54) Dibenzofuran | 12.71 | 168 | 958478 | 39.03 | ng | | 92 |
| 55) 4-Nitrophenol | 12.80 | 139 | 75428 | 32.98 | ng | # | 49 |
| 56) 2,4-Dinitrotoluene | 12.79 | 165 | 269087 | 43.10 | ng | | 93 |
| 57) Fluorene | 13.27 | 166 | 835986 | 39.26 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 12.95 | 232 | 152687 | 36.45 | ng | | 95 |
| 59) Diethylphthalate | 13.18 | 149 | 871565 | 38.67 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 13.29 | 204 | 390199 | 37.57 | ng | | 99 |
| 61) 4-Nitroaniline | 13.41 | 138 | 187256 | 41.85 | ng | # | 71 |
| 62) Azobenzene | 13.55 | 77 | 969191 | 41.45 | ng | | 86 |
| 64) 4,6-Dinitro-2-methylphenol | 13.45 | 198 | 133795 | 38.31 | ng | # | 69 |
| 65) n-Nitrosodiphenylamine | 13.51 | 169 | 672843 | 37.88 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 14.08 | 248 | 229121 | 38.13 | ng | | 93 |
| 67) Hexachlorobenzene | 14.15 | 284 | 240931 | 38.34 | ng | # | 73 |
| 68) Atrazine | 14.42 | 200 | 175983 | 31.08 | ng | | 93 |
| 69) Pentachlorophenol | 14.51 | 266 | 58112 | 33.64 | ng | | 98 |
| 70) Phenanthrene | 14.81 | 178 | 1166548 | 38.35 | ng | | 100 |
| 71) Anthracene | 14.89 | 178 | 1214794 | 39.53 | ng | | 100 |
| 72) Carbazole | 15.19 | 167 | 1060005 | 40.44 | ng | | 99 |
| 73) Di-n-butylphthalate | 15.76 | 149 | 1225537 | 36.16 | ng | # | 98 |
| 74) Fluoranthene | 16.57 | 202 | 1200277 | 39.35 | ng | | 96 |
| 76) Benzidine | 16.80 | 184 | 423972 | 42.52 | ng | | 97 |
| 77) Pyrene | 16.88 | 202 | 1204215 | 43.17 | ng | | 99 |
| 79) Butylbenzylphthalate | 17.78 | 149 | 474430 | 38.35 | ng | # | 71 |
| 80) Benzo(a)anthracene | 18.46 | 228 | 858826 | 38.96 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 18.45 | 252 | 490052 | 40.24 | ng | # | 98 |
| 82) Chrysene | 18.50 | 228 | 844393 | 38.60 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 18.53 | 149 | 604978 | 33.52 | ng | # | 95 |
| 84) Di-n-octyl phthalate | 19.30 | 149 | 883903 | 32.11 | ng | # | 85 |
| 85) Indeno(1,2,3-cd)pyrene | 21.36 | 276 | 802151 | 45.74 | ng | | 94 |
| 87) Benzo(b)fluoranthene | 19.73 | 252 | 767020 | 38.27 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 19.76 | 252 | 652734m | 37.84 | ng | | |
| 89) Benzo(a)pyrene | 20.08 | 252 | 674795 | 38.93 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 21.37 | 278 | 664226 | 44.93 | ng | # | 92 |
| 91) Benzo(g,h,i)perylene | 21.71 | 276 | 676421 | 46.37 | ng | # | 91 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052616\
Data File : BF087430.D
Acq On : 27 May 2016 4:21
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 27 07:44:42 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 16:26:52 2016
Response via : Initial Calibration

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

**Manual Integrations APPROVED**
sohil
5/27/2016 7:38:11 PM