Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
Data File : BF097417.D
Acq On : 6 Aug 2017 3:49
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Sohil
8/7/2017 6:01:07 PM

Quant Time: Aug 06 07:58:22 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 01:17:22 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.43 | 152 | 75648 | 20.00 | ng | | -0.07 |
| 21) Naphthalene-d8 | 7.71 | 136 | 289582 | 20.00 | ng | | -0.08 |
| 38) Acenaphthene-d10 | 9.45 | 164 | 101825 | 20.00 | ng | | -0.08 |
| 63) Phenanthrene-d10 | 10.92 | 188 | 164165 | 20.00 | ng | | -0.08 |
| 75) Chrysene-d12 | 13.54 | 240 | 132751 | 20.00 | ng | | -0.08 |
| 86) Perylene-d12 | 14.89 | 264 | 110157 | 20.00 | ng | | -0.09 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.02 | 112 | 481777 | 96.01 | ng | | -0.08 |
| 7) Phenol-d6 | 6.10 | 99 | 468788 | 81.83 | ng | | -0.07 |
| 23) Nitrobenzene-d5 | 7.00 | 82 | 377689 | 76.51 | ng | | -0.08 |
| 41) 2,4,6-Tribromophenol | 10.24 | 330 | 66133 | 82.20 | ng | | -0.08 |
| 44) 2-Fluorobiphenyl | 8.79 | 172 | 577667 | 96.28 | ng | | -0.08 |
| 78) Terphenyl-d14 | 12.50 | 244 | 510851 | 78.46 | ng | | -0.08 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.89 | 88 | 92788 | 44.309 | ng | # | 76 |
| 3) Pyridine | 2.49 | 79 | 263118 | 41.033 | ng | # | 60 |
| 4) n-Nitrosodimethylamine | 2.45 | 42 | 149897 | 42.195 | ng | | 83 |
| 6) Aniline | 6.09 | 93 | 303426 | 42.090 | ng | | 96 |
| 8) 2-Chlorophenol | 6.22 | 128 | 208539 | 38.864 | ng | | 92 |
| 9) Benzaldehyde | 5.97 | 77 | 152341 | 44.926 | ng | | 97 |
| 10) Phenol | 6.11 | 94 | 277004 | 40.764 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.17 | 93 | 197928 | 36.828 | ng | | 86 |
| 12) 1,3-Dichlorobenzene | 6.36 | 146 | 224176 | 38.768 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.45 | 146 | 244660 | 42.693 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 6.60 | 146 | 208735 | 41.717 | ng | | 97 |
| 15) Benzyl Alcohol | 6.59 | 79 | 153979 | 42.453 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.72 | 45 | 402435 | 37.333 | ng | | 69 |
| 17) 2-Methylphenol | 6.72 | 107 | 156033 | 37.678 | ng | # | 87 |
| 18) Hexachloroethane | 6.93 | 117 | 61076 | 29.132 | ng | # | 84 |
| 19) n-Nitroso-di-n-propylamine | 6.86 | 70 | 140007 | 37.128 | ng | # | 79 |
| 20) 3+4-Methylphenols | 6.88 | 107 | 210153 | 38.854 | ng | # | 63 |
| 22) Acetophenone | 6.85 | 105 | 271653 | 39.063 | ng | # | 96 |
| 24) Nitrobenzene | 7.02 | 77 | 207798 | 40.420 | ng | | 99 |
| 25) Isophorone | 7.26 | 82 | 334430 | 34.595 | ng | | 95 |
| 26) 2-Nitrophenol | 7.33 | 139 | 83037 | 29.854 | ng | # | 84 |
| 27) 2,4-Dimethylphenol | 7.40 | 122 | 169959 | 37.043 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 7.47 | 93 | 264794 | 41.974 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.59 | 162 | 163140 | 41.274 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 7.66 | 180 | 153050 | 40.623 | ng | | 97 |
| 31) Naphthalene | 7.73 | 128 | 558924 | 40.945 | ng | | 100 |
| 32) Benzoic acid | 7.55 | 122 | 93142 | 27.186 | ng | | 99 |
| 33) 4-Chloroaniline | 7.79 | 127 | 222316 | 40.025 | ng | | 99 |
| 34) Hexachlorobutadiene | 7.85 | 225 | 80563 | 40.335 | ng | | 97 |
| 35) Caprolactam | 8.16 | 113 | 42544 | 33.567 | ng | # | 49 |
| 36) 4-Chloro-3-methylphenol | 8.30 | 107 | 164650 | 38.182 | ng | | 90 |
| 37) 2-Methylnaphthalene | 8.42 | 142 | 347727 | 40.233 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.59 | 216 | 130878 | 48.171 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.57 | 237 | 350 | 6.930 | ng | | 89 |

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
Data File : BF097417.D
Acq On : 6 Aug 2017 3:49
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Sohil
8/7/2017 6:01:07 PM

Quant Time: Aug 06 07:58:22 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 01:17:22 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.72 | 196 | 85925 | 43.641 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 8.77 | 196 | 79814 | 40.500 | ng | | 99 |
| 45) 1,1'-Biphenyl | 8.89 | 154 | 417880 | 48.047 | ng | | 98 |
| 46) 2-Chloronaphthalene | 8.90 | 162 | 290104 | 45.327 | ng | | 93 |
| 47) 2-Nitroaniline | 9.02 | 65 | 110328 | 47.499 | ng | | 95 |
| 48) Acenaphthylene | 9.31 | 152 | 422254 | 42.983 | ng | | 98 |
| 49) Dimethylphthalate | 9.19 | 163 | 360811 | 46.662 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.26 | 165 | 62762 | 38.270 | ng | # | 76 |
| 51) Acenaphthene | 9.49 | 154 | 255770 | 44.201 | ng | | 99 |
| 52) 3-Nitroaniline | 9.43 | 138 | 94634 | 46.489 | ng | | 91 |
| 54) Dibenzofuran | 9.66 | 168 | 355605 | 46.137 | ng | | 94 |
| 55) 4-Nitrophenol | 9.63 | 139 | 36558m | 30.199 | ng | | |
| 56) 2,4-Dinitrotoluene | 9.67 | 165 | 76157 | 40.395 | ng | # | 83 |
| 57) Fluorene | 10.00 | 166 | 247652 | 42.750 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.79 | 232 | 46965 | 34.515 | ng | | 95 |
| 59) Diethylphthalate | 9.89 | 149 | 294947 | 41.577 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 9.99 | 204 | 104567 | 43.712 | ng | | 95 |
| 61) 4-Nitroaniline | 10.03 | 138 | 85768 | 44.342 | ng | | 92 |
| 62) Azobenzene | 10.15 | 77 | 246460 | 37.450 | ng | | 92 |
| 64) 4,6-Dinitro-2-methylphenol | 10.09 | 198 | 3939 | 3.861 | ng | | 87 |
| 65) n-Nitrosodiphenylamine | 10.12 | 169 | 222427 | 38.941 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.47 | 248 | 63263 | 38.615 | ng | | 93 |
| 67) Hexachlorobenzene | 10.55 | 284 | 75494 | 41.092 | ng | | 95 |
| 68) Atrazine | 10.65 | 200 | 49390 | 30.154 | ng | | 93 |
| 69) Pentachlorophenol | 10.75 | 266 | 38311 | 50.399 | ng | | 96 |
| 70) Phenanthrene | 10.95 | 178 | 374457 | 42.571 | ng | | 99 |
| 71) Anthracene | 11.00 | 178 | 415901 | 46.165 | ng | | 99 |
| 72) Carbazole | 11.16 | 167 | 409127 | 46.176 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.50 | 149 | 505964 | 46.198 | ng | | 98 |
| 74) Fluoranthene | 12.13 | 202 | 401774 | 46.625 | ng | | 99 |
| 76) Benzidine | 12.26 | 184 | 227191 | 46.124 | ng | # | 93 |
| 77) Pyrene | 12.35 | 202 | 413364 | 38.035 | ng | | 99 |
| 79) Butylbenzylphthalate | 12.99 | 149 | 216161 | 39.101 | ng | # | 85 |
| 80) Benzo(a)anthracene | 13.54 | 228 | 337309 | 39.270 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.50 | 252 | 142304 | 43.932 | ng | # | 97 |
| 82) Chrysene | 13.57 | 228 | 331833 | 39.563 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.55 | 149 | 288523 | 39.973 | ng | | 98 |
| 84) Di-n-octyl phthalate | 14.16 | 149 | 594649 | 44.893 | ng | # | 90 |
| 85) Indeno(1,2,3-cd)pyrene | 16.09 | 276 | 231334 | 32.165 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.54 | 252 | 304328 | 45.959 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 14.56 | 252 | 241029 | 38.198 | ng | # | 95 |
| 89) Benzo(a)pyrene | 14.84 | 252 | 252869 | 41.725 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.09 | 278 | 187178 | 37.663 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 16.43 | 276 | 186885 | 35.859 | ng | | 97 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
Data File : BF097417.D
Acq On : 6 Aug 2017 3:49
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 06 07:58:22 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 04 01:17:22 2017
Response via : Initial Calibration

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

**Manual Integrations APPROVED**
Sohil
8/7/2017 6:01:07 PM