Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
Data File : BF099936.D
Acq On : 29 Oct 2017 1:25
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Sohil
10/30/2017 6:20:41 PM

Quant Time: Oct 30 11:58:32 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 27 15:58:57 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.79 | 152 | 88594 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.07 | 136 | 331582 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.82 | 164 | 125001 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 11.32 | 188 | 169147 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 13.97 | 240 | 156194 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.43 | 264 | 159214 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.40 | 112 | 432694 | 76.68 | ng | | -0.01 |
| 7) Phenol-d6 | 6.43 | 99 | 492727 | 73.64 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.36 | 82 | 393884 | 76.48 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.62 | 330 | 68455 | 60.09 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 9.15 | 172 | 735435 | 90.77 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.90 | 244 | 484441 | 67.78 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.49 | 88 | 92468 | 37.107 | ng | # | 90 |
| 3) Pyridine | 3.25 | 79 | 213622 | 35.648 | ng | | 88 |
| 4) n-Nitrosodimethylamine | 3.21 | 42 | 78127 | 36.493 | ng | # | 78 |
| 6) Aniline | 6.46 | 93 | 314736 | 36.278 | ng | | 93 |
| 8) 2-Chlorophenol | 6.58 | 128 | 227095 | 37.759 | ng | | 91 |
| 9) Benzaldehyde | 6.35 | 77 | 146542 | 36.651 | ng | | 89 |
| 10) Phenol | 6.45 | 94 | 269550 | 36.691 | ng | | 76 |
| 11) bis(2-Chloroethyl)ether | 6.53 | 93 | 215304 | 37.952 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 6.73 | 146 | 257125m | 38.076 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.80 | 146 | 263507 | 38.447 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.96 | 146 | 240267 | 38.465 | ng | | 97 |
| 15) Benzyl Alcohol | 6.94 | 79 | 152611 | 35.864 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.06 | 45 | 234869 | 37.270 | ng | | 49 |
| 17) 2-Methylphenol | 7.05 | 107 | 182179 | 36.213 | ng | | 97 |
| 18) Hexachloroethane | 7.29 | 117 | 77083 | 33.711 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 7.20 | 70 | 145036 | 36.988 | ng | | 89 |
| 20) 3+4-Methylphenols | 7.21 | 107 | 219540 | 37.478 | ng | # | 72 |
| 22) Acetophenone | 7.20 | 105 | 300661 | 39.824 | ng | # | 95 |
| 24) Nitrobenzene | 7.38 | 77 | 202746 | 39.069 | ng | | 91 |
| 25) Isophorone | 7.62 | 82 | 351674 | 37.630 | ng | | 96 |
| 26) 2-Nitrophenol | 7.69 | 139 | 104290 | 35.088 | ng | # | 87 |
| 27) 2,4-Dimethylphenol | 7.73 | 122 | 172137 | 39.306 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.82 | 93 | 261456 | 39.946 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.94 | 162 | 172450 | 37.906 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.01 | 180 | 190883 | 39.269 | ng | | 98 |
| 31) Naphthalene | 8.09 | 128 | 605642 | 37.839 | ng | | 100 |
| 32) Benzoic acid | 7.86 | 122 | 63101 | 16.370 | ng | | 97 |
| 33) 4-Chloroaniline | 8.15 | 127 | 246364 | 37.275 | ng | # | 94 |
| 34) Hexachlorobutadiene | 8.20 | 225 | 101259 | 40.499 | ng | | 97 |
| 35) Caprolactam | 8.53 | 113 | 36882 | 25.779 | ng | # | 73 |
| 36) 4-Chloro-3-methylphenol | 8.64 | 107 | 152147 | 32.766 | ng | | 87 |
| 37) 2-Methylnaphthalene | 8.78 | 142 | 390968 | 36.450 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.95 | 216 | 180628 | 44.741 | ng | # | 97 |
| 40) Hexachlorocyclopentadiene | 8.93 | 237 | 1167 | 11.742 | ng | | 78 |

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
Data File : BF099936.D
Acq On : 29 Oct 2017 1:25
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Sohil
10/30/2017 6:20:41 PM

Quant Time: Oct 30 11:58:32 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 27 15:58:57 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.07 | 196 | 93826 | 38.421 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.12 | 196 | 92991 | 35.884 | ng | # | 93 |
| 45) 1,1'-Biphenyl | 9.25 | 154 | 484308 | 42.828 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.27 | 162 | 337552 | 41.103 | ng | | 96 |
| 47) 2-Nitroaniline | 9.38 | 65 | 79412 | 36.843 | ng | | 85 |
| 48) Acenaphthylene | 9.69 | 152 | 488302 | 38.605 | ng | | 100 |
| 49) Dimethylphthalate | 9.55 | 163 | 397507 | 40.156 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.62 | 165 | 76497 | 36.760 | ng | # | 80 |
| 51) Acenaphthene | 9.86 | 154 | 293998 | 38.040 | ng | | 99 |
| 52) 3-Nitroaniline | 9.80 | 138 | 86536 | 35.292 | ng | # | 87 |
| 53) 2,4-Dinitrophenol | 9.99 | 184 | 115 | 5.891 | ng | # | 1 |
| 54) Dibenzofuran | 10.03 | 168 | 411821 | 37.749 | ng | | 96 |
| 55) 4-Nitrophenol | 9.99 | 139 | 25033 | 19.539 | ng | | 79 |
| 56) 2,4-Dinitrotoluene | 10.03 | 165 | 83826 | 33.448 | ng | | 98 |
| 57) Fluorene | 10.37 | 166 | 318561 | 35.267 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.16 | 232 | 53607 | 29.504 | ng | | 96 |
| 59) Diethylphthalate | 10.24 | 149 | 373783 | 38.666 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.36 | 204 | 158950 | 37.390 | ng | | 92 |
| 61) 4-Nitroaniline | 10.41 | 138 | 69449 | 29.687 | ng | | 86 |
| 62) Azobenzene | 10.52 | 77 | 273443 | 33.744 | ng | | 91 |
| 64) 4,6-Dinitro-2-methylphenol | 10.46 | 198 | 2232 | 2.099 | ng | | 96 |
| 65) n-Nitrosodiphenylamine | 10.48 | 169 | 291834 | 46.739 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 10.85 | 248 | 80496 | 45.205 | ng | | 92 |
| 67) Hexachlorobenzene | 10.93 | 284 | 74028 | 40.635 | ng | # | 87 |
| 68) Atrazine | 11.01 | 200 | 75114 | 40.048 | ng | | 97 |
| 69) Pentachlorophenol | 11.13 | 266 | 26026 | 33.434 | ng | | 99 |
| 70) Phenanthrene | 11.34 | 178 | 371589 | 38.927 | ng | | 98 |
| 71) Anthracene | 11.39 | 178 | 377775 | 38.988 | ng | | 98 |
| 72) Carbazole | 11.55 | 167 | 339269 | 37.234 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.86 | 149 | 487748 | 41.968 | ng | | 99 |
| 74) Fluoranthene | 12.53 | 202 | 371638 | 37.463 | ng | | 97 |
| 76) Benzidine | 12.66 | 184 | 196249 | 28.714 | ng | | 98 |
| 77) Pyrene | 12.76 | 202 | 388024 | 32.671 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.36 | 149 | 190747 | 32.614 | ng | | 95 |
| 80) Benzo(a)anthracene | 13.96 | 228 | 374049 | 37.776 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.91 | 252 | 142186 | 39.559 | ng | | 98 |
| 82) Chrysene | 13.99 | 228 | 353973 | 38.025 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 13.92 | 149 | 281510 | 34.275 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.53 | 149 | 536049 | 38.026 | ng | # | 93 |
| 85) Indeno(1,2,3-cd)pyrene | 16.90 | 276 | 313530 | 36.689 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 15.00 | 252 | 372532 | 37.055 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 15.03 | 252 | 384032 | 40.509 | ng | | 98 |
| 89) Benzo(a)pyrene | 15.37 | 252 | 348470 | 38.586 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.90 | 278 | 275892 | 34.381 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 17.34 | 276 | 250276m | 31.879 | ng | | |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\
Data File : BF099936.D
Acq On : 29 Oct 2017 1:25
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 30 11:58:32 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 27 15:58:57 2017
Response via : Initial Calibration

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

**Manual Integrations APPROVED**
Sohil
10/30/2017 6:20:41 PM