Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062119\
Data File : BF115105.D
Acq On : 22 Jun 2019 3:36
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDCCC040EC

Quant Time: Jun 22 05:00:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 21 17:55:32 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.61 | 152 | 237364 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.90 | 136 | 984428 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.64 | 164 | 484589 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.12 | 188 | 937513 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.74 | 240 | 681023 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.11 | 264 | 802195 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.20 | 112 | 1246253 | 81.02 | ng | | 0.00 |
| 7) Phenol-d6 | 6.25 | 99 | 1527065 | 81.79 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.18 | 82 | 1336981 | 83.55 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.43 | 330 | 436802 | 85.48 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 8.98 | 172 | 2372468 | 83.16 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.71 | 244 | 2597177 | 81.08 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.19 | 88 | 292723 | 40.324 | ng | | 99 |
| 3) Pyridine | 2.84 | 79 | 828156 | 40.476 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 2.79 | 42 | 318447 | 39.702 | ng | | 100 |
| 6) Aniline | 6.28 | 93 | 1050398 | 40.937 | ng | | 100 |
| 8) 2-Chlorophenol | 6.40 | 128 | 725120 | 41.925 | ng | | 98 |
| 9) Benzaldehyde | 6.15 | 77 | 517390 | 42.478 | ng | | 99 |
| 10) Phenol | 6.27 | 94 | 873938 | 39.963 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 6.35 | 93 | 671063 | 41.628 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.55 | 146 | 793510 | 41.339 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.63 | 146 | 801719 | 41.651 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.79 | 146 | 744071 | 41.743 | ng | | 97 |
| 15) Benzyl Alcohol | 6.76 | 79 | 553277 | 40.698 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.90 | 45 | 964215 | 41.240 | ng | | 100 |
| 17) 2-Methylphenol | 6.88 | 107 | 581207 | 40.711 | ng | | 99 |
| 18) Hexachloroethane | 7.13 | 117 | 289010 | 41.648 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 7.04 | 70 | 482970 | 40.408 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.03 | 107 | 673996 | 40.886 | ng | | 88 |
| 22) Acetophenone | 7.03 | 105 | 900839 | 39.972 | ng | # | 99 |
| 24) Nitrobenzene | 7.20 | 77 | 734491 | 41.661 | ng | | 98 |
| 25) Isophorone | 7.44 | 82 | 1324558 | 40.404 | ng | | 99 |
| 26) 2-Nitrophenol | 7.51 | 139 | 387945 | 44.558 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 7.56 | 122 | 585053 | 41.041 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.66 | 93 | 845912 | 40.826 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.75 | 162 | 608180 | 41.341 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.84 | 180 | 684015 | 42.094 | ng | | 99 |
| 31) Naphthalene | 7.92 | 128 | 1998252 | 41.352 | ng | | 100 |
| 32) Benzoic acid | 7.69 | 122 | 441866 | 43.425 | ng | | 98 |
| 33) 4-Chloroaniline | 7.97 | 127 | 897334 | 40.631 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.05 | 225 | 377182 | 42.357 | ng | | 99 |
| 35) Caprolactam | 8.35 | 113 | 194886 | 39.403 | ng | | 97 |
| 36) 4-Chloro-3-methylphenol | 8.45 | 107 | 603590 | 40.514 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.61 | 142 | 1344562 | 41.267 | ng | | 98 |
| 38) 1-Methylnaphthalene | 8.71 | 142 | 1292646 | 41.540 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.78 | 216 | 575108 | 41.998 | ng | | 100 |

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062119\
Data File : BF115105.D
Acq On : 22 Jun 2019 3:36
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDCCC040EC

Quant Time: Jun 22 05:00:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 21 17:55:32 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.77 | 237 | 326259 | 40.180 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 8.89 | 196 | 437163 | 41.351 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 8.92 | 196 | 461348 | 42.376 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.08 | 154 | 1544291 | 39.828 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.10 | 162 | 1307156 | 41.561 | ng | | 98 |
| 48) 2-Nitroaniline | 9.19 | 65 | 390350 | 42.571 | ng | | 90 |
| 49) Acenaphthylene | 9.51 | 152 | 2005777 | 40.932 | ng | | 99 |
| 50) Dimethylphthalate | 9.38 | 163 | 1464461 | 41.076 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.43 | 165 | 351215 | 42.670 | ng | | 97 |
| 52) Acenaphthene | 9.68 | 154 | 1262858 | 41.185 | ng | | 99 |
| 53) 3-Nitroaniline | 9.60 | 138 | 413674 | 41.184 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 9.70 | 184 | 160961 | 41.859 | ng | # | 89 |
| 55) Dibenzofuran | 9.85 | 168 | 1761301 | 40.020 | ng | | 99 |
| 56) 4-Nitrophenol | 9.75 | 139 | 325612 | 40.435 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 9.83 | 165 | 461589 | 43.432 | ng | | 91 |
| 58) Fluorene | 10.19 | 166 | 1218526 | 41.000 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 9.97 | 232 | 386114 | 42.295 | ng | | 100 |
| 60) Diethylphthalate | 10.08 | 149 | 1491428 | 41.616 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.19 | 204 | 595046 | 42.329 | ng | | 98 |
| 62) 4-Nitroaniline | 10.21 | 138 | 418607 | 41.542 | ng | | 97 |
| 63) Azobenzene | 10.35 | 77 | 1373245 | 41.025 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 10.24 | 198 | 210869 | 42.864 | ng | | 84 |
| 66) n-Nitrosodiphenylamine | 10.31 | 169 | 1203932 | 41.219 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.68 | 248 | 428558 | 42.162 | ng | | 91 |
| 68) Hexachlorobenzene | 10.74 | 284 | 462108 | 41.884 | ng | | 95 |
| 69) Atrazine | 10.84 | 200 | 401838 | 42.768 | ng | | 98 |
| 70) Pentachlorophenol | 10.92 | 266 | 302870 | 43.090 | ng | | 98 |
| 71) Phenanthrene | 11.14 | 178 | 2017908 | 39.977 | ng | | 100 |
| 72) Anthracene | 11.20 | 178 | 2014035 | 39.527 | ng | | 98 |
| 73) Carbazole | 11.35 | 167 | 1849679 | 40.653 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.70 | 149 | 2225823 | 42.335 | ng | | 99 |
| 75) Fluoranthene | 12.32 | 202 | 2072251 | 41.146 | ng | | 98 |
| 77) Benzidine | 12.45 | 184 | 1172312 | 38.767 | ng | | 99 |
| 78) Pyrene | 12.55 | 202 | 2124713 | 40.597 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.18 | 149 | 980592 | 42.456 | ng | | 99 |
| 81) Benzo(a)anthracene | 13.73 | 228 | 2013834 | 41.212 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.70 | 252 | 726251 | 41.156 | ng | | 99 |
| 83) Chrysene | 13.77 | 228 | 1812772 | 40.498 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 13.75 | 149 | 1309867 | 43.281 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.37 | 149 | 2223657 | 43.731 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 16.38 | 276 | 2170522 | 40.979 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 14.74 | 252 | 2132264 | 42.599 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 14.76 | 252 | 1718846 | 38.292 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.05 | 252 | 1855134 | 41.120 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 16.41 | 278 | 1755121 | 41.672 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 16.77 | 276 | 1753530 | 41.136 | ng | | 99 |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062119\
Data File : BF115105.D
Acq On : 22 Jun 2019 3:36
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

Quant Time: Jun 22 05:00:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 21 17:55:32 2019
Response via : Initial Calibration