Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
Data File : BF118121.D
Acq On : 7 Dec 2019 10:59
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 09 05:41:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 06 17:34:43 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.87 | 152 | 144310 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.16 | 136 | 553920 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.92 | 164 | 295877 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.41 | 188 | 555253 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.06 | 240 | 408017 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.55 | 264 | 357172 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.48 | 112 | 645569 | 78.35 | ng | | 0.00 |
| 7) Phenol-d6 | 6.50 | 99 | 800750 | 80.35 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.44 | 82 | 756523 | 76.83 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.71 | 330 | 278891 | 77.59 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.23 | 172 | 1513165 | 77.82 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.00 | 244 | 1778374 | 74.95 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.62 | 88 | 135982 | 39.141 | ng | | 99 |
| 3) Pyridine | 3.37 | 79 | 353171 | 39.402 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.33 | 42 | 152384 | 39.519 | ng | | 97 |
| 6) Aniline | 6.53 | 93 | 515267 | 40.420 | ng | | 99 |
| 8) 2-Chlorophenol | 6.66 | 128 | 365987 | 39.393 | ng | | 98 |
| 9) Benzaldehyde | 6.42 | 77 | 210255 | 40.892 | ng | | 98 |
| 10) Phenol | 6.51 | 94 | 453700 | 39.920 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.60 | 93 | 321382 | 39.098 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.81 | 146 | 427904 | 39.427 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.89 | 146 | 436803 | 39.969 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 7.04 | 146 | 403996 | 39.364 | ng | | 97 |
| 15) Benzyl Alcohol | 7.01 | 79 | 311523 | 40.045 | ng | | 100 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.15 | 45 | 390083 | 39.469 | ng | | 99 |
| 17) 2-Methylphenol | 7.12 | 107 | 293334 | 39.697 | ng | | 98 |
| 18) Hexachloroethane | 7.39 | 117 | 155548 | 38.627 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.29 | 70 | 237320 | 39.189 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.27 | 107 | 378697 | 40.801 | ng | # | 80 |
| 22) Acetophenone | 7.28 | 105 | 513146 | 38.560 | ng | | 97 |
| 24) Nitrobenzene | 7.46 | 77 | 369709 | 38.218 | ng | | 98 |
| 25) Isophorone | 7.69 | 82 | 633326 | 37.944 | ng | | 97 |
| 26) 2-Nitrophenol | 7.77 | 139 | 201565 | 38.984 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 7.80 | 122 | 267863 | 38.839 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.90 | 93 | 416223 | 38.162 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.02 | 162 | 313979 | 39.051 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.10 | 180 | 362608 | 38.591 | ng | | 99 |
| 31) Naphthalene | 8.18 | 128 | 1082063 | 38.896 | ng | | 100 |
| 32) Benzoic acid | 7.94 | 122 | 242856 | 38.999 | ng | | 97 |
| 33) 4-Chloroaniline | 8.23 | 127 | 467942 | 38.956 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.30 | 225 | 218980 | 38.865 | ng | | 99 |
| 35) Caprolactam | 8.60 | 113 | 98166 | 39.591 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 8.71 | 107 | 328433 | 38.817 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.87 | 142 | 735032 | 39.028 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.97 | 142 | 691044 | 39.078 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.04 | 216 | 337945 | 37.704 | ng | | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
Data File : BF118121.D
Acq On : 7 Dec 2019 10:59
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 09 05:41:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 06 17:34:43 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.03 | 237 | 154976 | 38.590 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.15 | 196 | 231361 | 38.660 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 9.19 | 196 | 240594 | 38.804 | ng | | 96 |
| 46) 1,1'-Biphenyl | 9.34 | 154 | 905070 | 38.785 | ng | | 98 |
| 47) 2-Chloronaphthalene | 9.36 | 162 | 725884 | 38.670 | ng | | 97 |
| 48) 2-Nitroaniline | 9.46 | 65 | 209465 | 39.130 | ng | | 96 |
| 49) Acenaphthylene | 9.78 | 152 | 1081231 | 39.053 | ng | | 99 |
| 50) Dimethylphthalate | 9.64 | 163 | 846597 | 38.737 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.70 | 165 | 184047 | 38.729 | ng | | 93 |
| 52) Acenaphthene | 9.95 | 154 | 646117 | 38.234 | ng | | 97 |
| 53) 3-Nitroaniline | 9.87 | 138 | 218879 | 39.137 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 9.98 | 184 | 87233 | 36.896 | ng | | 93 |
| 55) Dibenzofuran | 10.13 | 168 | 973523 | 39.316 | ng | | 97 |
| 56) 4-Nitrophenol | 10.03 | 139 | 153581 | 39.571 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 10.11 | 165 | 249715 | 39.369 | ng | # | 94 |
| 58) Fluorene | 10.47 | 166 | 762212 | 38.735 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.25 | 232 | 200205 | 39.139 | ng | | 99 |
| 60) Diethylphthalate | 10.34 | 149 | 833179 | 38.694 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.46 | 204 | 384700 | 38.855 | ng | | 95 |
| 62) 4-Nitroaniline | 10.49 | 138 | 232015 | 39.777 | ng | | 98 |
| 63) Azobenzene | 10.62 | 77 | 716347 | 38.971 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 10.52 | 198 | 116649 | 38.041 | ng | | 89 |
| 66) n-Nitrosodiphenylamine | 10.58 | 169 | 669842 | 38.631 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 10.95 | 248 | 244000 | 38.496 | ng | # | 93 |
| 68) Hexachlorobenzene | 11.02 | 284 | 289414 | 38.794 | ng | | 94 |
| 69) Atrazine | 11.10 | 200 | 190055 | 39.379 | ng | | 98 |
| 70) Pentachlorophenol | 11.22 | 266 | 138527 | 39.484 | ng | | 97 |
| 71) Phenanthrene | 11.43 | 178 | 1159879 | 39.296 | ng | | 99 |
| 72) Anthracene | 11.49 | 178 | 1163576 | 39.517 | ng | | 99 |
| 73) Carbazole | 11.65 | 167 | 1050238 | 39.754 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.97 | 149 | 1296067 | 39.200 | ng | | 99 |
| 75) Fluoranthene | 12.63 | 202 | 1195924 | 39.629 | ng | | 98 |
| 77) Benzidine | 12.74 | 184 | 452728 | 42.149 | ng | | 99 |
| 78) Pyrene | 12.86 | 202 | 1214925 | 37.785 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.47 | 149 | 546986 | 37.563 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.05 | 228 | 1083059 | 38.389 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 14.01 | 252 | 360802 | 38.939 | ng | | 98 |
| 83) Chrysene | 14.09 | 228 | 1033613 | 38.353 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 14.03 | 149 | 725870 | 37.803 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.65 | 149 | 1115958 | 38.367 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 17.06 | 276 | 795812 | 35.095 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.12 | 252 | 912014 | 38.608 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 15.12 | 252 | 912014 | 40.189 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.49 | 252 | 793258 | 38.022 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.07 | 278 | 652519 | 36.465 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 17.52 | 276 | 628158 | 36.531 | ng | | 99 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120719\
Data File : BF118121.D
Acq On : 7 Dec 2019 10:59
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 09 05:41:19 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 06 17:34:43 2019
Response via : Initial Calibration