Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082619\
Data File : BF116565.D
Acq On : 26 Aug 2019 10:55
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 27 02:34:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 23 13:38:31 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.89 | 152 | 133642 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.17 | 136 | 540135 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.92 | 164 | 295094 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.40 | 188 | 523878 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.04 | 240 | 372856 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.51 | 264 | 358211 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.50 | 112 | 628116 | 68.67 | ng | | 0.00 |
| 7) Phenol-d6 | 6.51 | 99 | 817417 | 72.89 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.45 | 82 | 785581 | 79.57 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.70 | 330 | 225753 | 89.09 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.24 | 172 | 1408515 | 76.87 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.99 | 244 | 1569523 | 78.63 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.68 | 88 | 134908 | 34.067 | ng | | 98 |
| 3) Pyridine | 3.43 | 79 | 397095 | 32.927 | ng | | 100 |
| 4) n-Nitrosodimethylamine | 3.38 | 42 | 153948 | 34.969 | ng | | 99 |
| 6) Aniline | 6.55 | 93 | 544850 | 35.885 | ng | | 99 |
| 8) 2-Chlorophenol | 6.67 | 128 | 346470 | 36.098 | ng | | 97 |
| 9) Benzaldehyde | 6.43 | 77 | 260856 | 34.812 | ng | | 95 |
| 10) Phenol | 6.53 | 94 | 459405 | 37.723 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.62 | 93 | 340739 | 36.747 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.83 | 146 | 390035 | 37.544 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 6.90 | 146 | 392992 | 39.305 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.06 | 146 | 368415 | 39.059 | ng | | 98 |
| 15) Benzyl Alcohol | 7.02 | 79 | 328928 | 36.242 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.16 | 45 | 439894 | 34.311 | ng | | 98 |
| 17) 2-Methylphenol | 7.13 | 107 | 298057 | 37.480 | ng | | 99 |
| 18) Hexachloroethane | 7.40 | 117 | 148471 | 38.074 | ng | # | 91 |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70 | 263662 | 34.454 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.29 | 107 | 370825 | 38.065 | ng | | 93 |
| 22) Acetophenone | 7.29 | 105 | 508044 | 37.615 | ng | | 98 |
| 24) Nitrobenzene | 7.46 | 77 | 394734 | 38.608 | ng | | 97 |
| 25) Isophorone | 7.70 | 82 | 709518 | 36.468 | ng | | 98 |
| 26) 2-Nitrophenol | 7.78 | 139 | 186283 | 49.880 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 7.82 | 122 | 275789 | 35.392 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 7.91 | 93 | 443612 | 36.921 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.02 | 162 | 297083 | 40.089 | ng | | 100 |
| 30) 1,2,4-Trichlorobenzene | 8.11 | 180 | 341901 | 40.982 | ng | | 98 |
| 31) Naphthalene | 8.19 | 128 | 1030989 | 39.457 | ng | | 100 |
| 32) Benzoic acid | 7.93 | 122 | 194253 | 38.994 | ng | | 95 |
| 33) 4-Chloroaniline | 8.23 | 127 | 457949 | 39.923 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.31 | 225 | 194781 | 42.811 | ng | | 98 |
| 35) Caprolactam | 8.60 | 113 | 97784 | 37.882 | ng | | 93 |
| 36) 4-Chloro-3-methylphenol | 8.71 | 107 | 323129 | 38.645 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.87 | 142 | 693137 | 38.635 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.97 | 142 | 663119 | 39.568 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.05 | 216 | 316439 | 39.857 | ng | | 99 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082619\
Data File : BF116565.D
Acq On : 26 Aug 2019 10:55
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 27 02:34:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 23 13:38:31 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.03 | 237 | 181315 | 42.447 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 9.15 | 196 | 223930 | 40.300 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 9.19 | 196 | 227801 | 40.292 | ng | | 94 |
| 46) 1,1'-Biphenyl | 9.34 | 154 | 898444 | 38.081 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.36 | 162 | 697987 | 38.161 | ng | | 98 |
| 48) 2-Nitroaniline | 9.45 | 65 | 228959 | 40.883 | ng | | 95 |
| 49) Acenaphthylene | 9.78 | 152 | 1032487 | 38.583 | ng | | 99 |
| 50) Dimethylphthalate | 9.64 | 163 | 816077 | 39.637 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.70 | 165 | 179044 | 42.486 | ng | | 90 |
| 52) Acenaphthene | 9.95 | 154 | 688466 | 40.094 | ng | | 99 |
| 53) 3-Nitroaniline | 9.86 | 138 | 211894 | 42.182 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 9.97 | 184 | 89589 | 56.999 | ng | # | 1 |
| 55) Dibenzofuran | 10.13 | 168 | 931776 | 38.927 | ng | | 98 |
| 56) 4-Nitrophenol | 10.02 | 139 | 162684 | 41.666 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 10.10 | 165 | 240158 | 44.785 | ng | | 93 |
| 58) Fluorene | 10.47 | 166 | 710070 | 38.182 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.24 | 232 | 195180 | 42.044 | ng | | 98 |
| 60) Diethylphthalate | 10.34 | 149 | 810140 | 40.034 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 10.46 | 204 | 354720 | 39.098 | ng | | 97 |
| 62) 4-Nitroaniline | 10.48 | 138 | 212183 | 43.188 | ng | | 93 |
| 63) Azobenzene | 10.62 | 77 | 785496 | 37.752 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 10.51 | 198 | 114752 | 52.628 | ng | | 76 |
| 66) n-Nitrosodiphenylamine | 10.57 | 169 | 645400 | 38.047 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.95 | 248 | 221014 | 40.241 | ng | | 93 |
| 68) Hexachlorobenzene | 11.02 | 284 | 240942 | 39.663 | ng | # | 90 |
| 69) Atrazine | 11.10 | 200 | 211608 | 41.635 | ng | | 98 |
| 70) Pentachlorophenol | 11.20 | 266 | 149924 | 42.301 | ng | | 99 |
| 71) Phenanthrene | 11.43 | 178 | 1097575 | 38.459 | ng | | 100 |
| 72) Anthracene | 11.48 | 178 | 1108610 | 38.658 | ng | | 100 |
| 73) Carbazole | 11.63 | 167 | 986573 | 38.326 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.96 | 149 | 1281552 | 40.177 | ng | | 99 |
| 75) Fluoranthene | 12.62 | 202 | 1134046 | 38.436 | ng | | 99 |
| 77) Benzidine | 12.73 | 184 | 566551 | 37.767 | ng | | 99 |
| 78) Pyrene | 12.84 | 202 | 1146702 | 38.457 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.46 | 149 | 542057 | 42.094 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.03 | 228 | 940808 | 38.959 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.99 | 252 | 340651 | 39.584 | ng | | 97 |
| 83) Chrysene | 14.07 | 228 | 940718 | 38.434 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 14.02 | 149 | 727462 | 42.365 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.63 | 149 | 1214443 | 41.659 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 16.98 | 276 | 730423 | 34.837 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.08 | 252 | 844807 | 38.177 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.11 | 252 | 835963 | 41.699 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.44 | 252 | 753119 | 38.508 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.00 | 278 | 609574 | 37.931 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.42 | 276 | 569000 | 37.139 | ng | | 96 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082619\
Data File : BF116565.D
Acq On : 26 Aug 2019 10:55
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 27 02:34:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 23 13:38:31 2019
Response via : Initial Calibration