Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
Data File : BF114669.D
Acq On : 30 May 2019 19:24
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 31 01:03:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 19:08:51 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.70 | 152 | 370561 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 7.97 | 136 | 1504629 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.72 | 164 | 717201 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.20 | 188 | 1311819 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 13.82 | 240 | 761520 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 15.20 | 264 | 778931 | 20.00 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.30 | 112 | 1729016 | 81.92 | ng | 0.00 |
| 7) Phenol-d6 | 6.33 | 99 | 2101840 | 82.64 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.26 | 82 | 1979602 | 82.08 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.50 | 330 | 568060 | 83.13 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.06 | 172 | 3319624 | 87.40 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.78 | 244 | 3262643 | 80.55 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.35 | 88 | 412526 | 40.729 | ng | 97 |
| 3) Pyridine | 3.03 | 79 | 1160310 | 39.363 | ng | 99 |
| 4) n-Nitrosodimethylamine | 2.98 | 42 | 461333 | 38.675 | ng | 95 |
| 6) Aniline | 6.36 | 93 | 1567716 | 40.807 | ng | 99 |
| 8) 2-Chlorophenol | 6.48 | 128 | 1027640 | 42.160 | ng | 100 |
| 9) Benzaldehyde | 6.24 | 77 | 640773 | 47.326 | ng | 97 |
| 10) Phenol | 6.35 | 94 | 1276603 | 41.550 | ng | 94 |
| 11) bis(2-Chloroethyl)ether | 6.43 | 93 | 961419 | 40.910 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.64 | 146 | 1171992 | 42.203 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 6.72 | 146 | 1169941 | 41.995 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 6.87 | 146 | 1080588 | 42.604 | ng | 100 |
| 15) Benzyl Alcohol | 6.84 | 79 | 825272 | 41.251 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.98 | 45 | 1407349 | 39.044 | ng | 99 |
| 17) 2-Methylphenol | 6.95 | 107 | 850655 | 41.262 | ng | 99 |
| 18) Hexachloroethane | 7.21 | 117 | 408695 | 38.747 | ng | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.12 | 70 | 692080 | 39.422 | ng | 98 |
| 20) 3+4-Methylphenols | 7.11 | 107 | 952411 | 39.280 | ng | 97 |
| 22) Acetophenone | 7.11 | 105 | 1298451 | 40.502 | ng | 100 |
| 24) Nitrobenzene | 7.27 | 77 | 1057081 | 41.263 | ng | 99 |
| 25) Isophorone | 7.52 | 82 | 1872992 | 38.699 | ng | 99 |
| 26) 2-Nitrophenol | 7.59 | 139 | 523938 | 42.015 | ng | 99 |
| 27) 2,4-Dimethylphenol | 7.64 | 122 | 845626 | 40.774 | ng | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.73 | 93 | 1227490 | 39.841 | ng | 100 |
| 29) 2,4-Dichlorophenol | 7.83 | 162 | 868858 | 41.159 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 7.92 | 180 | 1007864 | 41.906 | ng | 100 |
| 31) Naphthalene | 8.00 | 128 | 2776848 | 40.067 | ng | 100 |
| 32) Benzoic acid | 7.76 | 122 | 547361 | 40.634 | ng | 96 |
| 33) 4-Chloroaniline | 8.05 | 127 | 1316683 | 39.876 | ng | 99 |
| 34) Hexachlorobutadiene | 8.13 | 225 | 559975 | 41.913 | ng | 99 |
| 35) Caprolactam | 8.42 | 113 | 284548 | 39.943 | ng | 94 |
| 36) 4-Chloro-3-methylphenol | 8.53 | 107 | 860212 | 40.634 | ng | 97 |
| 37) 2-Methylnaphthalene | 8.69 | 142 | 1890562 | 41.056 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.79 | 142 | 1784787 | 40.908 | ng | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.86 | 216 | 845816 | 44.285 | ng | 99 |

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
Data File : BF114669.D
Acq On : 30 May 2019 19:24
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 31 01:03:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 19:08:51 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 8.85 | 237 | 447688 | 35.471 ng | 100 |
| 43) 2,4,6-Trichlorophenol | 8.96 | 196 | 633526 | 42.156 ng | 99 |
| 44) 2,4,5-Trichlorophenol | 9.00 | 196 | 633492 | 42.242 ng | 98 |
| 46) 1,1'-Biphenyl | 9.15 | 154 | 2197020 | 41.268 ng | 100 |
| 47) 2-Chloronaphthalene | 9.17 | 162 | 1849402 | 42.349 ng | 98 |
| 48) 2-Nitroaniline | 9.26 | 65 | 577210 | 42.830 ng | 100 |
| 49) Acenaphthylene | 9.59 | 152 | 2690691 | 39.882 ng | 99 |
| 50) Dimethylphthalate | 9.46 | 163 | 2089465 | 41.810 ng | 100 |
| 51) 2,6-Dinitrotoluene | 9.51 | 165 | 477051 | 41.081 ng | 97 |
| 52) Acenaphthene | 9.76 | 154 | 1733258 | 41.891 ng | 100 |
| 53) 3-Nitroaniline | 9.67 | 138 | 604109 | 42.506 ng | 100 |
| 54) 2,4-Dinitrophenol | 9.77 | 184 | 197452 | 43.107 ng | 93 |
| 55) Dibenzofuran | 9.93 | 168 | 2354488 | 39.977 ng | 98 |
| 56) 4-Nitrophenol | 9.83 | 139 | 428157 | 40.652 ng | 95 |
| 57) 2,4-Dinitrotoluene | 9.90 | 165 | 623899 | 41.863 ng | 97 |
| 58) Fluorene | 10.27 | 166 | 1634301 | 40.951 ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.05 | 232 | 508914 | 41.459 ng | 100 |
| 60) Diethylphthalate | 10.15 | 149 | 2109798 | 41.334 ng | 100 |
| 61) 4-Chlorophenyl-phenylether | 10.26 | 204 | 849397 | 42.636 ng | 99 |
| 62) 4-Nitroaniline | 10.28 | 138 | 584747 | 42.222 ng | 98 |
| 63) Azobenzene | 10.42 | 77 | 1846122 | 39.394 ng | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 10.31 | 198 | 207022 | 35.591 ng | 94 |
| 66) n-Nitrosodiphenylamine | 10.38 | 169 | 1656046 | 42.728 ng | 100 |
| 67) 4-Bromophenyl-phenylether | 10.75 | 248 | 598766 | 42.564 ng | 99 |
| 68) Hexachlorobenzene | 10.82 | 284 | 638327 | 41.894 ng | 100 |
| 69) Atrazine | 10.91 | 200 | 488335 | 39.022 ng | 99 |
| 70) Pentachlorophenol | 11.00 | 266 | 371132 | 42.255 ng | 99 |
| 71) Phenanthrene | 11.22 | 178 | 2590880 | 38.717 ng | 99 |
| 72) Anthracene | 11.27 | 178 | 2627998 | 38.802 ng | 100 |
| 73) Carbazole | 11.42 | 167 | 2364841 | 39.730 ng | 100 |
| 74) Di-n-butylphthalate | 11.77 | 149 | 2939788 | 39.716 ng | 100 |
| 75) Fluoranthene | 12.40 | 202 | 2572772 | 37.130 ng | 100 |
| 77) Benzidine | 12.52 | 184 | 1343598 | 42.847 ng | 99 |
| 78) Pyrene | 12.63 | 202 | 2590113 | 40.208 ng | 100 |
| 80) Butylbenzylphthalate | 13.26 | 149 | 1269866 | 39.224 ng | 99 |
| 81) Benzo(a)anthracene | 13.81 | 228 | 2273412 | 38.848 ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 13.77 | 252 | 930597 | 41.177 ng | 98 |
| 83) Chrysene | 13.85 | 228 | 2147552 | 38.410 ng | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 13.82 | 149 | 1599032 | 39.952 ng | 100 |
| 85) Di-n-octyl phthalate | 14.43 | 149 | 2603704 | 37.442 ng | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 16.52 | 276 | 1849181 | 33.022 ng | 99 |
| 88) Benzo(b)fluoranthene | 14.82 | 252 | 2007634 | 40.922 ng | 99 |
| 89) Benzo(k)fluoranthene | 14.84 | 252 | 1857360 | 43.557 ng | 98 |
| 90) Benzo(a)pyrene | 15.14 | 252 | 1772330 | 41.122 ng | 98 |
| 91) Dibenzo(a,h)anthracene | 16.54 | 278 | 1511718 | 39.694 ng | 100 |
| 92) Benzo(g,h,i)perylene | 16.92 | 276 | 1472035 | 39.824 ng | 99 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
Data File : BF114669.D
Acq On : 30 May 2019 19:24
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 31 01:03:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 19:08:51 2019
Response via : Initial Calibration