Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
Data File : BF106364.D
Acq On : 13 Jun 2018 00:31
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
6/13/2018 4:56:27 PM

Quant Time: Jun 13 04:17:47 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 11 15:00:22 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.98 | 152 | 102482 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.26 | 136 | 359033 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.02 | 164 | 144715 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.51 | 188 | 309161 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.16 | 240 | 314236 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.69 | 264 | 230256 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 575344 | 95.02 | ng | | 0.04 |
| 7) Phenol-d6 | 6.62 | 99 | 646913 | 84.56 | ng | | 0.04 |
| 23) Nitrobenzene-d5 | 7.54 | 82 | 553693 | 90.72 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.81 | 330 | 135192 | 97.09 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.33 | 172 | 859646 | 119.21 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.09 | 244 | 1129939 | 89.31 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.80 | 88 | 144999 | 46.271 | ng | | 96 |
| 3) Pyridine | 3.59 | 79 | 377212 | 43.195 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.55 | 42 | 166646 | 41.656 | ng | | 94 |
| 6) Aniline | 6.64 | 93 | 410589 | 36.756 | ng | # | 59 |
| 8) 2-Chlorophenol | 6.78 | 128 | 277087 | 42.554 | ng | | 98 |
| 9) Benzaldehyde | 6.53 | 77 | 231309 | 39.863 | ng | | 99 |
| 10) Phenol | 6.64 | 94 | 367495 | 44.004 | ng | # | 33 |
| 11) bis(2-Chloroethyl)ether | 6.71 | 93 | 300183 | 41.987 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.92 | 146 | 326063 | 42.546 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.00 | 146 | 332536 | 42.759 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.15 | 146 | 301941 | 41.243 | ng | | 98 |
| 15) Benzyl Alcohol | 7.12 | 79 | 243828 | 37.218 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.24 | 45 | 315579 | 30.793 | ng | # | 17 |
| 17) 2-Methylphenol | 7.25 | 107 | 235534 | 40.543 | ng | # | 91 |
| 18) Hexachloroethane | 7.49 | 117 | 89373 | 32.252 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 7.38 | 70 | 210843 | 36.737 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.40 | 107 | 307297 | 41.362 | ng | | 93 |
| 22) Acetophenone | 7.38 | 105 | 399165 | 44.117 | ng | # | 98 |
| 24) Nitrobenzene | 7.55 | 77 | 286263 | 43.155 | ng | | 93 |
| 25) Isophorone | 7.80 | 82 | 467449 | 39.213 | ng | | 98 |
| 26) 2-Nitrophenol | 7.87 | 139 | 123142 | 47.827 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 7.92 | 122 | 203146 | 40.254 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 8.00 | 93 | 326825 | 42.283 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.14 | 162 | 205117 | 42.131 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.20 | 180 | 227847 | 41.738 | ng | | 96 |
| 31) Naphthalene | 8.28 | 128 | 690373 | 42.536 | ng | | 100 |
| 32) Benzoic acid | 8.01 | 122 | 89136m | 27.600 | ng | | |
| 33) 4-Chloroaniline | 8.33 | 127 | 281592 | 39.150 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.39 | 225 | 156613 | 44.656 | ng | | 98 |
| 35) Caprolactam | 8.68 | 113 | 59352 | 36.041 | ng | | 88 |
| 36) 4-Chloro-3-methylphenol | 8.83 | 107 | 195735 | 36.345 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.97 | 142 | 429964 | 38.895 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.14 | 216 | 218528 | 46.517 | ng | # | 96 |
| 42) 2,4,6-Trichlorophenol | 9.25 | 196 | 137671 | 45.985 | ng | | 95 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
Data File : BF106364.D
Acq On : 13 Jun 2018 00:31
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
6/13/2018 4:56:27 PM

Quant Time: Jun 13 04:17:47 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 11 15:00:22 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 9.32 | 196 | 122489 | 37.952 | ng | | 95 |
| 45) 1,1'-Biphenyl | 9.44 | 154 | 513702 | 45.830 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.46 | 162 | 392998 | 43.812 | ng | | 98 |
| 47) 2-Nitroaniline | 9.56 | 65 | 136653 | 48.427 | ng | | 89 |
| 48) Acenaphthylene | 9.88 | 152 | 617173 | 44.951 | ng | | 99 |
| 49) Dimethylphthalate | 9.73 | 163 | 465098 | 44.985 | ng | # | 98 |
| 50) 2,6-Dinitrotoluene | 9.80 | 165 | 89567 | 42.410 | ng | | 99 |
| 51) Acenaphthene | 10.05 | 154 | 371486 | 41.896 | ng | | 99 |
| 52) 3-Nitroaniline | 9.97 | 138 | 119023 | 47.484 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 10.07 | 184 | 5985 | 14.122 | ng | # | 20 |
| 54) Dibenzofuran | 10.22 | 168 | 525135 | 43.981 | ng | | 99 |
| 55) 4-Nitrophenol | 10.19 | 139 | 65687 | 34.189 | ng | | 91 |
| 56) 2,4-Dinitrotoluene | 10.20 | 165 | 111674 | 42.108 | ng | # | 90 |
| 57) Fluorene | 10.57 | 166 | 425195 | 44.947 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.35 | 232 | 110916 | 43.360 | ng | # | 84 |
| 59) Diethylphthalate | 10.42 | 149 | 456021 | 44.437 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.55 | 204 | 218822 | 43.979 | ng | | 91 |
| 61) 4-Nitroaniline | 10.58 | 138 | 129553 | 53.122 | ng | | 100 |
| 62) Azobenzene | 10.71 | 77 | 432585 | 40.426 | ng | | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 10.61 | 198 | 19985 | 16.706 | ng | | 87 |
| 65) n-Nitrosodiphenylamine | 10.67 | 169 | 409202 | 39.383 | ng | | 94 |
| 66) 4-Bromophenyl-phenylether | 11.05 | 248 | 143868 | 40.914 | ng | # | 83 |
| 67) Hexachlorobenzene | 11.11 | 284 | 150915 | 41.630 | ng | # | 88 |
| 68) Atrazine | 11.20 | 200 | 123752 | 38.648 | ng | | 99 |
| 69) Pentachlorophenol | 11.32 | 266 | 65555 | 29.372 | ng | | 96 |
| 70) Phenanthrene | 11.53 | 178 | 666210 | 44.001 | ng | | 99 |
| 71) Anthracene | 11.58 | 178 | 680373 | 44.855 | ng | | 99 |
| 72) Carbazole | 11.74 | 167 | 633979 | 45.273 | ng | | 100 |
| 73) Di-n-butylphthalate | 12.06 | 149 | 737572 | 47.325 | ng | | 100 |
| 74) Fluoranthene | 12.72 | 202 | 810696 | 50.208 | ng | | 98 |
| 76) Benzidine | 12.85 | 184 | 490381 | 46.889 | ng | | 99 |
| 77) Pyrene | 12.95 | 202 | 846576 | 43.032 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.57 | 149 | 380874 | 51.720 | ng | | 94 |
| 80) Benzo(a)anthracene | 14.15 | 228 | 789690 | 42.229 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.11 | 252 | 309541 | 49.061 | ng | # | 94 |
| 82) Chrysene | 14.18 | 228 | 714251 | 41.835 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.12 | 149 | 535621 | 50.727 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.74 | 149 | 892589 | 58.637 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 17.26 | 276 | 522607 | 38.354 | ng | | 94 |
| 87) Benzo(b)fluoranthene | 15.24 | 252 | 597410m | 42.921 | ng | | |
| 88) Benzo(k)fluoranthene | 15.27 | 252 | 590351 | 42.827 | ng | # | 97 |
| 89) Benzo(a)pyrene | 15.62 | 252 | 528136 | 42.186 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 17.28 | 278 | 450806 | 43.192 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 17.74 | 276 | 415593 | 40.972 | ng | | 93 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061218\
Data File : BF106364.D
Acq On : 13 Jun 2018 00:31
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 13 04:17:47 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 11 15:00:22 2018
Response via : Initial Calibration

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

**Manual Integrations APPROVED**
Sohil
6/13/2018 4:56:27 PM