Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111915\
Data File : BF083042.D
Acq On : 19 Nov 2015 16:48
Operator : UM/IZ
Sample : SSTDICC010
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDICC010

Quant Time: Nov 20 00:50:09 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 00:25:09 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.70 | 152 | 113070 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.00 | 136 | 443357 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.74 | 164 | 236003 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.22 | 188 | 431629 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.86 | 240 | 455142 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.24 | 264 | 362611 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.29 | 112 | 152254 | 21.24 | ng | | 0.00 |
| 7) Phenol-d6 | 6.35 | 99 | 199237 | 20.65 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.26 | 82 | 209652 | 20.72 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.53 | 330 | 51494 | 19.24 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.07 | 172 | 357588 | 21.48 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.81 | 244 | 370458 | 19.49 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.17 | 88 | 34256 | 11.05 | ng | | 92 |
| 3) Pyridine | 2.86 | 79 | 80445 | 8.82 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 2.77 | 42 | 45545 | 10.14 | ng | # | 95 |
| 6) Aniline | 6.36 | 93 | 137626 | 10.19 | ng | # | 89 |
| 8) 2-Chlorophenol | 6.49 | 128 | 82265 | 10.28 | ng | | 87 |
| 9) Benzaldehyde | 6.24 | 77 | 60301 | 11.60 | ng | | 99 |
| 10) Phenol | 6.36 | 94 | 118512 | 11.00 | ng | # | 68 |
| 11) bis(2-Chloroethyl)ether | 6.43 | 93 | 77568 | 9.66 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 6.64 | 146 | 89163m | 9.90 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.72 | 146 | 93884 | 9.94 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.88 | 146 | 88982 | 10.37 | ng | | 96 |
| 15) Benzyl Alcohol | 6.85 | 79 | 78518 | 9.38 | ng | | 93 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.99 | 45 | 125420 | 10.33 | ng | | 93 |
| 17) 2-Methylphenol | 6.98 | 107 | 64264 | 9.50 | ng | | 96 |
| 18) Hexachloroethane | 7.22 | 117 | 34209 | 10.12 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.12 | 70 | 67789 | 9.67 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.13 | 107 | 90643 | 10.06 | ng | | 92 |
| 22) Acetophenone | 7.12 | 105 | 134438 | 10.57 | ng | # | 89 |
| 24) Nitrobenzene | 7.29 | 77 | 98185 | 9.62 | ng | # | 84 |
| 25) Isophorone | 7.53 | 82 | 188331 | 9.97 | ng | | 97 |
| 26) 2-Nitrophenol | 7.61 | 139 | 45676 | 10.82 | ng | | 87 |
| 27) 2,4-Dimethylphenol | 7.66 | 122 | 69950 | 8.95 | ng | | 93 |
| 28) bis(2-Chloroethoxy)methane | 7.74 | 93 | 96023 | 9.00 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.86 | 162 | 70458 | 9.96 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 7.94 | 180 | 81309 | 10.32 | ng | | 98 |
| 31) Naphthalene | 8.02 | 128 | 231161 | 9.42 | ng | | 98 |
| 32) Benzoic acid | 7.74 | 122 | 42033 | 8.16 | ng | | 95 |
| 33) 4-Chloroaniline | 8.06 | 127 | 105643 | 10.23 | ng | | 94 |
| 34) Hexachlorobutadiene | 8.14 | 225 | 49379 | 9.97 | ng | | 99 |
| 35) Caprolactam | 8.40 | 113 | 20943 | 9.57 | ng | | 92 |
| 36) 4-Chloro-3-methylphenol | 8.56 | 107 | 86206 | 10.36 | ng | | 87 |
| 37) 2-Methylnaphthalene | 8.70 | 142 | 161768 | 10.32 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.88 | 216 | 82999 | 10.87 | ng | | 96 |
| 40) Hexachlorocyclopentadiene | 8.86 | 237 | 26778 | 6.64 | ng | | 98 |

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111915\
Data File : BF083042.D
Acq On : 19 Nov 2015 16:48
Operator : UM/IZ
Sample : SSTDICC010
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SSTDICC010

Quant Time: Nov 20 00:50:09 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 00:25:09 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.99 | 196 | 57165 | 9.93 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.02 | 196 | 51778 | 9.03 | ng | # | 83 |
| 45) 1,1'-Biphenyl | 9.17 | 154 | 218315 | 10.95 | ng | | 95 |
| 46) 2-Chloronaphthalene | 9.20 | 162 | 151948 | 9.66 | ng | | 92 |
| 47) 2-Nitroaniline | 9.29 | 65 | 59873 | 10.47 | ng | # | 80 |
| 48) Acenaphthylene | 9.61 | 152 | 269232 | 10.79 | ng | | 99 |
| 49) Dimethylphthalate | 9.47 | 163 | 189557 | 9.69 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.53 | 165 | 38135 | 8.97 | ng | # | 67 |
| 51) Acenaphthene | 9.78 | 154 | 166908 | 10.61 | ng | | 99 |
| 52) 3-Nitroaniline | 9.70 | 138 | 46195 | 10.35 | ng | # | 73 |
| 53) 2,4-Dinitrophenol | 9.80 | 184 | 14785 | 6.83 | ng | # | 62 |
| 54) Dibenzofuran | 9.95 | 168 | 233117 | 11.00 | ng | | 93 |
| 55) 4-Nitrophenol | 9.87 | 139 | 32377 | 9.21 | ng | # | 75 |
| 56) 2,4-Dinitrotoluene | 9.93 | 165 | 54802 | 9.61 | ng | # | 89 |
| 57) Fluorene | 10.29 | 166 | 184378 | 10.68 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.08 | 232 | 42403 | 8.95 | ng | | 98 |
| 59) Diethylphthalate | 10.17 | 149 | 182344 | 9.61 | ng | | 95 |
| 60) 4-Chlorophenyl-phenylether | 10.29 | 204 | 79306 | 9.20 | ng | | 95 |
| 61) 4-Nitroaniline | 10.30 | 138 | 45852 | 9.86 | ng | | 89 |
| 62) Azobenzene | 10.44 | 77 | 193070 | 9.44 | ng | | 85 |
| 64) 4,6-Dinitro-2-methylphenol | 10.34 | 198 | 26615 | 8.54 | ng | | 79 |
| 65) n-Nitrosodiphenylamine | 10.41 | 169 | 161688 | 10.58 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.77 | 248 | 51103 | 9.88 | ng | | 88 |
| 67) Hexachlorobenzene | 10.84 | 284 | 58415 | 10.13 | ng | # | 86 |
| 68) Atrazine | 10.93 | 200 | 53072 | 10.90 | ng | | 97 |
| 69) Pentachlorophenol | 11.04 | 266 | 25255 | 7.48 | ng | | 95 |
| 70) Phenanthrene | 11.24 | 178 | 268117 | 10.64 | ng | | 99 |
| 71) Anthracene | 11.30 | 178 | 290365 | 11.08 | ng | | 97 |
| 72) Carbazole | 11.46 | 167 | 245874 | 10.69 | ng | # | 96 |
| 73) Di-n-butylphthalate | 11.80 | 149 | 325418 | 11.35 | ng | | 98 |
| 74) Fluoranthene | 12.43 | 202 | 299264 | 11.32 | ng | | 97 |
| 76) Benzidine | 12.56 | 184 | 154276 | 10.21 | ng | | 97 |
| 77) Pyrene | 12.66 | 202 | 309662 | 9.92 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.29 | 149 | 123679 | 8.91 | ng | | 99 |
| 80) Benzo(a)anthracene | 13.85 | 228 | 275419 | 9.59 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.81 | 252 | 94775 | 9.54 | ng | # | 96 |
| 82) Chrysene | 13.88 | 228 | 272114 | 10.60 | ng | | 96 |
| 83) Bis(2-ethylhexyl)phthalate | 13.86 | 149 | 177496 | 9.42 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.48 | 149 | 290730 | 9.36 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.55 | 276 | 203832 | 9.17 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.85 | 252 | 277782m | 11.90 | ng | | |
| 88) Benzo(k)fluoranthene | 14.89 | 252 | 172908m | 8.33 | ng | | |
| 89) Benzo(a)pyrene | 15.19 | 252 | 204108 | 10.09 | ng | # | 98 |
| 90) Dibenzo(a,h)anthracene | 16.56 | 278 | 167699 | 9.79 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 16.93 | 276 | 161150 | 9.75 | ng | | 99 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111915\
Data File : BF083042.D
Acq On : 19 Nov 2015 16:48
Operator : UM/IZ
Sample : SSTDICC010
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

Quant Time: Nov 20 00:50:09 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF111915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 00:25:09 2015
Response via : Initial Calibration