Quantitation Report (QT Reviewed)

Data Path : S:\HPCHEM1\BNA_F\DATA\BF031016\
Data File : BF085329.D
Acq On : 10 Mar 2016 13:08
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
3/11/2016 4:58:12 PM

Quant Time: Mar 10 16:28:07 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 10 16:13:07 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.94 | 152 | 185960 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.23 | 136 | 749656 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.98 | 164 | 335511 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.46 | 188 | 623050 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.11 | 240 | 375413 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.57 | 264 | 311283 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.53 | 112 | 875207 | 78.95 | ng | | 0.00 |
| 7) Phenol-d6 | 6.56 | 99 | 1159921 | 79.86 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.51 | 82 | 1025811 | 73.22 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.78 | 330 | 257938 | 89.85 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.30 | 172 | 1633192 | 74.03 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.05 | 244 | 1297883 | 80.26 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.60 | 88 | 219465 | 38.71 | ng | | 97 |
| 3) Pyridine | 3.36 | 79 | 582804 | 41.07 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.32 | 42 | 236755 | 38.99 | ng | | 95 |
| 6) Aniline | 6.61 | 93 | 788729 | 38.74 | ng | | 94 |
| 8) 2-Chlorophenol | 6.72 | 128 | 494854 | 37.08 | ng | | 98 |
| 9) Benzaldehyde | 6.48 | 77 | 263907 | 38.17 | ng | | 96 |
| 10) Phenol | 6.58 | 94 | 701596 | 45.10 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 6.68 | 93 | 488806 | 37.83 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.88 | 146 | 563000m | 39.29 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.96 | 146 | 582200 | 40.54 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 7.11 | 146 | 495089 | 38.00 | ng | | 97 |
| 15) Benzyl Alcohol | 7.08 | 79 | 406585 | 38.13 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.21 | 45 | 679271 | 36.47 | ng | | 99 |
| 17) 2-Methylphenol | 7.19 | 107 | 407580 | 37.43 | ng | | 98 |
| 18) Hexachloroethane | 7.45 | 117 | 201789 | 38.09 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 7.36 | 70 | 363175 | 38.36 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.35 | 107 | 515149 | 39.93 | ng | # | 79 |
| 22) Acetophenone | 7.35 | 105 | 632284 | 34.55 | ng | # | 93 |
| 24) Nitrobenzene | 7.52 | 77 | 506012 | 35.56 | ng | | 98 |
| 25) Isophorone | 7.76 | 82 | 1017148 | 39.18 | ng | | 99 |
| 26) 2-Nitrophenol | 7.84 | 139 | 294486 | 42.52 | ng | # | 79 |
| 27) 2,4-Dimethylphenol | 7.88 | 122 | 472606 | 37.34 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 7.98 | 93 | 601113 | 41.58 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 8.08 | 162 | 408407 | 40.01 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 8.17 | 180 | 446414 | 40.45 | ng | | 95 |
| 31) Naphthalene | 8.25 | 128 | 1476563 | 40.06 | ng | | 99 |
| 32) Benzoic acid | 7.99 | 122 | 224093 | 26.66 | ng | | 98 |
| 33) 4-Chloroaniline | 8.30 | 127 | 654361 | 43.89 | ng | # | 92 |
| 34) Hexachlorobutadiene | 8.37 | 225 | 239581 | 41.72 | ng | | 98 |
| 35) Caprolactam | 8.68 | 113 | 137240 | 41.17 | ng | | 91 |
| 36) 4-Chloro-3-methylphenol | 8.78 | 107 | 479799 | 41.43 | ng | | 87 |
| 37) 2-Methylnaphthalene | 8.94 | 142 | 885573 | 37.44 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.11 | 216 | 425092 | 44.30 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 9.10 | 237 | 218412 | 42.20 | ng | | 98 |

Quantitation Report (QT Reviewed)

Data Path : S:\HPCHEM1\BNA_F\DATA\BF031016\
Data File : BF085329.D
Acq On : 10 Mar 2016 13:08
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
3/11/2016 4:58:12 PM

Quant Time: Mar 10 16:28:07 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 10 16:13:07 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.21 | 196 | 269804 | 37.77 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.26 | 196 | 285145 | 42.10 | ng | # | 87 |
| 45) 1,1'-Biphenyl | 9.41 | 154 | 1222940 | 42.66 | ng | | 95 |
| 46) 2-Chloronaphthalene | 9.43 | 162 | 857437 | 39.24 | ng | | 95 |
| 47) 2-Nitroaniline | 9.52 | 65 | 259201 | 38.28 | ng | | 89 |
| 48) Acenaphthylene | 9.84 | 152 | 1350802 | 39.72 | ng | | 99 |
| 49) Dimethylphthalate | 9.70 | 163 | 937191 | 36.39 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.76 | 165 | 208834 | 37.91 | ng | # | 82 |
| 51) Acenaphthene | 10.01 | 154 | 833597 | 40.37 | ng | | 99 |
| 52) 3-Nitroaniline | 9.93 | 138 | 239504 | 36.34 | ng | | 84 |
| 53) 2,4-Dinitrophenol | 10.04 | 184 | 101051 | 40.55 | ng | # | 50 |
| 54) Dibenzofuran | 10.18 | 168 | 1010962 | 37.37 | ng | | 99 |
| 55) 4-Nitrophenol | 10.08 | 139 | 204308 | 39.44 | ng | # | 68 |
| 56) 2,4-Dinitrotoluene | 10.17 | 165 | 305692 | 43.36 | ng | # | 67 |
| 57) Fluorene | 10.53 | 166 | 827559 | 38.95 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.30 | 232 | 190750 | 40.09 | ng | | 94 |
| 59) Diethylphthalate | 10.40 | 149 | 944798 | 37.81 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 10.53 | 204 | 443950 | 42.94 | ng | # | 83 |
| 61) 4-Nitroaniline | 10.55 | 138 | 263626 | 42.76 | ng | | 98 |
| 62) Azobenzene | 10.69 | 77 | 981117 | 39.85 | ng | | 85 |
| 64) 4,6-Dinitro-2-methylphenol | 10.57 | 198 | 129076 | 34.60 | ng | # | 56 |
| 65) n-Nitrosodiphenylamine | 10.64 | 169 | 755642 | 38.99 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 11.02 | 248 | 261984 | 43.30 | ng | # | 81 |
| 67) Hexachlorobenzene | 11.08 | 284 | 255875 | 39.65 | ng | # | 74 |
| 68) Atrazine | 11.17 | 200 | 236494 | 43.88 | ng | | 98 |
| 69) Pentachlorophenol | 11.27 | 266 | 153439 | 42.83 | ng | | 99 |
| 70) Phenanthrene | 11.50 | 178 | 1356312 | 41.54 | ng | | 98 |
| 71) Anthracene | 11.54 | 178 | 1300023 | 37.50 | ng | | 99 |
| 72) Carbazole | 11.69 | 167 | 1103498 | 36.31 | ng | | 99 |
| 73) Di-n-butylphthalate | 12.02 | 149 | 1249765 | 32.53 | ng | | 99 |
| 74) Fluoranthene | 12.68 | 202 | 1148141 | 35.04 | ng | | 97 |
| 76) Benzidine | 12.80 | 184 | 509465 | 45.60 | ng | | 99 |
| 77) Pyrene | 12.92 | 202 | 1203767 | 42.60 | ng | | 97 |
| 79) Butylbenzylphthalate | 13.52 | 149 | 521900 | 40.71 | ng | | 98 |
| 80) Benzo(a)anthracene | 14.09 | 228 | 904345 | 40.24 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 14.06 | 252 | 314650 | 44.38 | ng | | 99 |
| 82) Chrysene | 14.14 | 228 | 919834 | 44.31 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 14.08 | 149 | 660876 | 39.17 | ng | | 100 |
| 84) Di-n-octyl phthalate | 14.70 | 149 | 1032052 | 40.17 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 17.03 | 276 | 784911 | 48.44 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 15.15 | 252 | 768174 | 37.02 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 15.18 | 252 | 718414m | 42.93 | ng | | |
| 89) Benzo(a)pyrene | 15.51 | 252 | 691419 | 40.21 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 17.05 | 278 | 658729 | 44.88 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 17.48 | 276 | 664596 | 45.03 | ng | | 97 |

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

Data Path : S:\HPCHEM1\BNA_F\DATA\BF031016\
Data File : BF085329.D
Acq On : 10 Mar 2016 13:08
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 10 16:28:07 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 10 16:13:07 2016
Response via : Initial Calibration

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

**Manual Integrations APPROVED**
Sohil
3/11/2016 4:58:12 PM