Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060515\
Data File : BF079767.D
Acq On : 6 Jun 2015 12:42
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations APPROVED**
apatel
6/9/2015 8:16:21 AM

Quant Time: Jun 08 17:29:32 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 08 15:29:07 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.51 | 152 | 46083 | 20.00 | ng | | 0.01 |
| 21) Naphthalene-d8 | 8.79 | 136 | 195880 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.56 | 164 | 109939 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 12.11 | 188 | 204785 | 20.00 | ng | | 0.05 |
| 75) Chrysene-d12 | 15.34 | 240 | 193308m | 20.00 | ng | | 0.40 |
| 86) Perylene-d12 | 17.44 | 264 | 179541m | 20.00 | ng | | 0.62 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.18 | 112 | 214349 | 77.96 | ng | | 0.08 |
| 7) Phenol-d6 | 7.10 | 99 | 262625 | 73.95 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 8.06 | 82 | 239408 | 75.04 | ng | | 0.01 |
| 41) 2,4,6-Tribromophenol | 11.37 | 330 | 89576 | 85.19 | ng | | 0.01 |
| 44) 2-Fluorobiphenyl | 9.86 | 172 | 547372 | 67.45 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.93 | 244 | 729120m | 86.38 | ng | | 0.22 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 4.20 | 88 | 65177m | 53.57 | ng | | |
| 3) Pyridine | 4.72 | 79 | 127179m | 37.37 | ng | | |
| 4) n-Nitrosodimethylamine | 4.66 | 42 | 60223m | 40.78 | ng | | |
| 6) Aniline | 7.16 | 93 | 190626 | 36.99 | ng | | 96 |
| 8) 2-Chlorophenol | 7.29 | 128 | 110694 | 37.19 | ng | | 91 |
| 9) Benzaldehyde | 7.06 | 77 | 84956 | 36.94 | ng | | 97 |
| 10) Phenol | 7.12 | 94 | 135578 | 35.07 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.22 | 93 | 117397 | 39.16 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.45 | 146 | 137316 | 36.85 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.53 | 146 | 145504 | 36.80 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.68 | 146 | 135510m | 36.69 | ng | | |
| 15) Benzyl Alcohol | 7.62 | 79 | 109624 | 37.35 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.76 | 45 | 193932 | 42.78 | ng | | 98 |
| 17) 2-Methylphenol | 7.72 | 107 | 100541 | 36.22 | ng | | 98 |
| 18) Hexachloroethane | 8.02 | 117 | 32488 | 28.28 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 7.88 | 70 | 112696 | 45.74 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.87 | 107 | 145496 | 41.13 | ng | | 99 |
| 22) Acetophenone | 7.90 | 105 | 191146 | 40.91 | ng | # | 99 |
| 24) Nitrobenzene | 8.07 | 77 | 116413 | 36.58 | ng | | 98 |
| 25) Isophorone | 8.31 | 82 | 253857 | 38.98 | ng | | 96 |
| 26) 2-Nitrophenol | 8.39 | 139 | 31736 | 23.68 | ng | # | 63 |
| 27) 2,4-Dimethylphenol | 8.41 | 122 | 104068 | 34.50 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 8.50 | 93 | 155460 | 38.63 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.63 | 162 | 106114 | 39.22 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.73 | 180 | 114459 | 34.83 | ng | | 97 |
| 31) Naphthalene | 8.81 | 128 | 401677 | 39.09 | ng | | 99 |
| 32) Benzoic acid | 8.46 | 122 | 48791 | 42.44 | ng | | 92 |
| 33) 4-Chloroaniline | 8.84 | 127 | 195250 | 37.40 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.92 | 225 | 76636 | 38.34 | ng | | 95 |
| 35) Caprolactam | 9.18 | 113 | 31220 | 37.88 | ng | | 99 |
| 36) 4-Chloro-3-methylphenol | 9.30 | 107 | 104842 | 34.68 | ng | # | 77 |
| 37) 2-Methylnaphthalene | 9.51 | 142 | 258317 | 39.54 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.68 | 216 | 116361 | 33.99 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.67 | 237 | 4919 | 3.34 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.78 | 196 | 74396 | 32.67 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 9.82 | 196 | 88773 | 37.05 | ng | | 96 |
| 45) 1,1'-Biphenyl | 9.96 | 154 | 307314 | 32.13 | ng | | 95 |
| 46) 2-Chloronaphthalene | 10.00 | 162 | 253313 | 32.44 | ng | | 97 |
| 47) 2-Nitroaniline | 10.08 | 65 | 66058 | 40.33 | ng | | 89 |
| 48) Acenaphthylene | 10.42 | 152 | 441249 | 34.18 | ng | | 99 |
| 49) Dimethylphthalate | 10.25 | 163 | 299322 | 35.35 | ng | # | 98 |
| 50) 2,6-Dinitrotoluene | 10.32 | 165 | 42306 | 32.75 | ng | # | 80 |
| 51) Acenaphthene | 10.59 | 154 | 283042 | 38.71 | ng | | 98 |
| 52) 3-Nitroaniline | 10.49 | 138 | 76524 | 42.79 | ng | | 92 |
| 53) 2,4-Dinitrophenol | 10.59 | 184 | 817 | 5.37 | ng | # | 1 |
| 54) Dibenzofuran | 10.77 | 168 | 417731 | 40.34 | ng | | 91 |
| 55) 4-Nitrophenol | 10.63 | 139 | 62035 | 46.43 | ng | | 95 |
| 56) 2,4-Dinitrotoluene | 10.73 | 165 | 56086 | 35.77 | ng | # | 94 |
| 57) Fluorene | 11.12 | 166 | 383274 | 42.76 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.88 | 232 | 81669 | 42.11 | ng | | 99 |
| 59) Diethylphthalate | 10.96 | 149 | 352101 | 42.52 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 11.10 | 204 | 156069 | 38.42 | ng | | 96 |
| 61) 4-Nitroaniline | 11.11 | 138 | 55015 | 33.30 | ng | | 96 |
| 62) Azobenzene | 11.27 | 77 | 341030 | 40.75 | ng | | 82 |
| 64) 4,6-Dinitro-2-methylphenol | 11.14 | 198 | 1869 | 5.65 | ng | # | 30 |
| 65) n-Nitrosodiphenylamine | 11.21 | 169 | 277218 | 40.53 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 11.61 | 248 | 88062 | 39.71 | ng | | 92 |
| 67) Hexachlorobenzene | 11.70 | 284 | 98779 | 39.61 | ng | # | 96 |
| 68) Atrazine | 11.75 | 200 | 82575 | 40.17 | ng | | 98 |
| 69) Pentachlorophenol | 11.90 | 266 | 45276 | 42.69 | ng | | 98 |
| 70) Phenanthrene | 12.14 | 178 | 492453 | 41.07 | ng | | 98 |
| 71) Anthracene | 12.19 | 178 | 491705 | 41.59 | ng | | 99 |
| 72) Carbazole | 12.34 | 167 | 437074 | 38.90 | ng | | 98 |
| 73) Di-n-butylphthalate | 12.69 | 149 | 509967 | 40.04 | ng | # | 82 |
| 74) Fluoranthene | 13.49 | 202 | 538150 | 40.99 | ng | | 98 |
| 76) Benzidine | 13.61 | 184 | 17094m | 2.80 | ng | | |
| 77) Pyrene | 13.77 | 202 | 557522m | 47.04 | ng | | |
| 79) Butylbenzylphthalate | 14.53 | 149 | 216814m | 45.89 | ng | | |
| 80) Benzo(a)anthracene | 15.33 | 228 | 497501m | 42.04 | ng | | |
| 81) 3,3'-Dichlorobenzidine | 15.27 | 252 | 92705m | 23.06 | ng | | |
| 82) Chrysene | 15.38 | 228 | 429940m | 39.30 | ng | | |
| 83) Bis(2-ethylhexyl)phthalate | 15.30 | 149 | 317937m | 42.59 | ng | | |
| 84) Di-n-octyl phthalate | 16.22 | 149 | 539993m | 41.07 | ng | | |
| 85) Indeno(1,2,3-cd)pyrene | 19.47 | 276 | 432511m | 34.16 | ng | | |
| 87) Benzo(b)fluoranthene | 16.83 | 252 | 445880m | 39.98 | ng | | |
| 88) Benzo(k)fluoranthene | 16.88 | 252 | 434565m | 40.62 | ng | | |
| 89) Benzo(a)pyrene | 17.35 | 252 | 411132m | 39.93 | ng | | |
| 90) Dibenzo(a,h)anthracene | 19.51 | 278 | 352469m | 35.47 | ng | | |
| 91) Benzo(g,h,i)perylene | 20.09 | 276 | 349363m | 34.01 | ng | | |

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

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