Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060315\
Data File : BF079674.D
Acq On : 3 Jun 2015 21:07
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
apatel
6/5/2015 8:06:31 AM

Quant Time: Jun 05 11:39:26 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 05 10:52:02 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.52 | 152 | 85649 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.81 | 136 | 329701 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 10.59 | 164 | 168852 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 12.11 | 188 | 352178 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 15.19 | 240 | 372882 | 20.00 | ng | | -0.19 |
| 86) Perylene-d12 | 17.19 | 264 | 338985 | 20.00 | ng | | -0.30 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.14 | 112 | 380601 | 80.69 | ng | | 0.00 |
| 7) Phenol-d6 | 7.11 | 99 | 533734 | 86.06 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.08 | 82 | 455886 | 81.07 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.38 | 330 | 115086 | 82.58 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.88 | 172 | 971425 | 87.28 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.85 | 244 | 1267014 | 86.27 | ng | | -0.10 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.60 | 88 | 86935 | 39.80 | ng | | 99 |
| 3) Pyridine | 4.31 | 79 | 249876 | 39.80 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 4.23 | 42 | 118300 | 42.27 | ng | | 99 |
| 6) Aniline | 7.18 | 93 | 364507 | 40.94 | ng | | 99 |
| 8) 2-Chlorophenol | 7.30 | 128 | 230835 | 42.04 | ng | | 97 |
| 9) Benzaldehyde | 7.06 | 77 | 149422 | 41.55 | ng | | 99 |
| 10) Phenol | 7.12 | 94 | 281821 | 42.37 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.23 | 93 | 218490 | 41.20 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.46 | 146 | 256688 | 40.88 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.54 | 146 | 259646 | 40.44 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.69 | 146 | 237776m | 40.91 | ng | | |
| 15) Benzyl Alcohol | 7.63 | 79 | 182159 | 40.28 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.78 | 45 | 348098 | 39.37 | ng | | 99 |
| 17) 2-Methylphenol | 7.74 | 107 | 184039 | 40.60 | ng | | 98 |
| 18) Hexachloroethane | 8.04 | 117 | 83932 | 39.93 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.91 | 70 | 179967 | 42.39 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.88 | 107 | 245136 | 40.83 | ng | | 99 |
| 22) Acetophenone | 7.92 | 105 | 313544 | 40.64 | ng | | 97 |
| 24) Nitrobenzene | 8.09 | 77 | 229669 | 41.57 | ng | | 98 |
| 25) Isophorone | 8.33 | 82 | 467717 | 41.62 | ng | | 99 |
| 26) 2-Nitrophenol | 8.41 | 139 | 73554 | 40.31 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 8.43 | 122 | 186999m | 36.36 | ng | | |
| 28) bis(2-Chloroethoxy)methane | 8.52 | 93 | 259306 | 40.16 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.65 | 162 | 195807 | 42.69 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.75 | 180 | 205027 | 39.66 | ng | | 98 |
| 31) Naphthalene | 8.83 | 128 | 685647 | 39.78 | ng | | 100 |
| 32) Benzoic acid | 8.48 | 122 | 65484m | 45.49 | ng | | |
| 33) 4-Chloroaniline | 8.87 | 127 | 385493 | 41.13 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.95 | 225 | 113112 | 39.04 | ng | | 95 |
| 35) Caprolactam | 9.20 | 113 | 56170 | 44.48 | ng | # | 62 |
| 36) 4-Chloro-3-methylphenol | 9.32 | 107 | 198175 | 42.33 | ng | | 97 |
| 37) 2-Methylnaphthalene | 9.53 | 142 | 478052 | 41.58 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.70 | 216 | 224356 | 41.40 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.69 | 237 | 93351 | 36.13 | ng | | 100 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.80 | 196 | 126080 | 42.79 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.84 | 196 | 150406 | 46.07 | ng | | 96 |
| 45) 1,1'-Biphenyl | 9.99 | 154 | 534388 | 41.04 | ng | | 95 |
| 46) 2-Chloronaphthalene | 10.02 | 162 | 426837 | 41.84 | ng | # | 90 |
| 47) 2-Nitroaniline | 10.10 | 65 | 101561 | 48.35 | ng | | 92 |
| 48) Acenaphthylene | 10.46 | 152 | 702638 | 41.55 | ng | | 99 |
| 49) Dimethylphthalate | 10.27 | 163 | 513213 | 41.48 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 10.34 | 165 | 92002 | 46.81 | ng | | 91 |
| 51) Acenaphthene | 10.63 | 154 | 426226 | 41.59 | ng | | 98 |
| 52) 3-Nitroaniline | 10.51 | 138 | 120083 | 49.53 | ng | | 93 |
| 53) 2,4-Dinitrophenol | 10.62 | 184 | 22583 | 40.41 | ng | # | 1 |
| 54) Dibenzofuran | 10.80 | 168 | 629602 | 42.33 | ng | | 97 |
| 55) 4-Nitrophenol | 10.65 | 139 | 82677 | 42.28 | ng | | 94 |
| 56) 2,4-Dinitrotoluene | 10.75 | 165 | 105079 | 43.57 | ng | | 88 |
| 57) Fluorene | 11.14 | 166 | 527213 | 43.37 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.90 | 232 | 107326 | 47.44 | ng | | 99 |
| 59) Diethylphthalate | 10.98 | 149 | 538538 | 45.33 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 11.13 | 204 | 235603 | 42.94 | ng | | 91 |
| 61) 4-Nitroaniline | 11.13 | 138 | 118629 | 49.60 | ng | | 95 |
| 62) Azobenzene | 11.29 | 77 | 466779 | 42.02 | ng | | 86 |
| 64) 4,6-Dinitro-2-methylphenol | 11.16 | 198 | 38469 | 39.34 | ng | # | 73 |
| 65) n-Nitrosodiphenylamine | 11.23 | 169 | 440245 | 39.81 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 11.62 | 248 | 145455 | 41.16 | ng | | 95 |
| 67) Hexachlorobenzene | 11.71 | 284 | 164257 | 39.56 | ng | | 95 |
| 68) Atrazine | 11.76 | 200 | 127953 | 45.17 | ng | | 96 |
| 69) Pentachlorophenol | 11.90 | 266 | 72912 | 47.93 | ng | | 98 |
| 70) Phenanthrene | 12.14 | 178 | 812021 | 41.70 | ng | | 100 |
| 71) Anthracene | 12.19 | 178 | 798261 | 40.75 | ng | | 99 |
| 72) Carbazole | 12.34 | 167 | 743644 | 41.34 | ng | | 98 |
| 73) Di-n-butylphthalate | 12.67 | 149 | 847560 | 42.99 | ng | # | 79 |
| 74) Fluoranthene | 13.44 | 202 | 865111 | 41.21 | ng | | 93 |
| 76) Benzidine | 13.55 | 184 | 297645 | 35.09 | ng | | 99 |
| 77) Pyrene | 13.70 | 202 | 880185 | 41.00 | ng | | 99 |
| 79) Butylbenzylphthalate | 14.41 | 149 | 329070 | 45.02 | ng | | 97 |
| 80) Benzo(a)anthracene | 15.17 | 228 | 857445 | 42.05 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 15.11 | 252 | 289406 | 47.51 | ng | | 98 |
| 82) Chrysene | 15.22 | 228 | 843601 | 41.12 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 15.13 | 149 | 528158 | 43.49 | ng | # | 97 |
| 84) Di-n-octyl phthalate | 15.98 | 149 | 816730 | 45.58 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 19.22 | 276 | 909447 | 45.33 | ng | | 100 |
| 87) Benzo(b)fluoranthene | 16.59 | 252 | 790908 | 45.15 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 16.64 | 252 | 846301 | 41.24 | ng | | 99 |
| 89) Benzo(a)pyrene | 17.11 | 252 | 768313 | 44.86 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 19.26 | 278 | 750618 | 46.77 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 19.84 | 276 | 758081 | 44.53 | ng | | 98 |

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

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