Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041015\
Data File : BF078420.D
Acq On : 11 Apr 2015 1:11
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
apatel
4/13/2015 4:16:51 PM

Quant Time: Apr 13 11:01:25 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Apr 11 02:29:51 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 32041 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.43 | 136 | 136928 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 10.59 | 164 | 71851 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 12.42 | 188 | 143661 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 15.68 | 240 | 164786 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 17.32 | 264 | 159568 | 20.00 | ng | | -0.13 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.10 | 112 | 158284 | 81.45 | ng | | -0.01 |
| 7) Phenol-d6 | 6.45 | 99 | 200696 | 82.41 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.56 | 82 | 191029 | 84.56 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.57 | 330 | 56502 | 94.82 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.78 | 172 | 393536 | 78.29 | ng | | 0.00 |
| 78) Terphenyl-d14 | 14.41 | 244 | 567850 | 77.87 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.64 | 88 | 49669m | 56.52 | ng | | |
| 3) Pyridine | 2.22 | 79 | 92571 | 40.21 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 2.17 | 42 | 41871 | 47.26 | ng | | 90 |
| 6) Aniline | 6.44 | 93 | 145159 | 42.03 | ng | | 91 |
| 8) 2-Chlorophenol | 6.59 | 128 | 96000 | 41.78 | ng | | 98 |
| 9) Benzaldehyde | 6.29 | 77 | 59708 | 36.99 | ng | | 90 |
| 10) Phenol | 6.48 | 94 | 114439 | 39.22 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.56 | 93 | 85543 | 40.76 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 6.77 | 146 | 102783 | 40.72 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.88 | 146 | 105448 | 41.50 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.06 | 146 | 99052 | 41.58 | ng | | 98 |
| 15) Benzyl Alcohol | 7.06 | 79 | 76625 | 44.77 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.24 | 45 | 120182 | 42.93 | ng | | 97 |
| 17) 2-Methylphenol | 7.22 | 107 | 75922 | 42.56 | ng | | 97 |
| 18) Hexachloroethane | 7.48 | 117 | 36332 | 42.40 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.39 | 70 | 68342 | 42.53 | ng | # | 85 |
| 20) 3+4-Methylphenols | 7.42 | 107 | 103447 | 43.47 | ng | | 92 |
| 22) Acetophenone | 7.38 | 105 | 133272 | 41.77 | ng | # | 92 |
| 24) Nitrobenzene | 7.58 | 77 | 104203 | 44.12 | ng | | 89 |
| 25) Isophorone | 7.88 | 82 | 184806 | 43.10 | ng | # | 92 |
| 26) 2-Nitrophenol | 7.97 | 139 | 46883 | 41.66 | ng | # | 77 |
| 27) 2,4-Dimethylphenol | 8.06 | 122 | 86867 | 41.51 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 8.18 | 93 | 117700 | 42.81 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.28 | 162 | 81725 | 42.93 | ng | | 91 |
| 30) 1,2,4-Trichlorobenzene | 8.37 | 180 | 89077 | 40.81 | ng | | 98 |
| 31) Naphthalene | 8.46 | 128 | 294727 | 41.35 | ng | | 99 |
| 32) Benzoic acid | 8.20 | 122 | 49125 | 49.69 | ng | | 99 |
| 33) 4-Chloroaniline | 8.56 | 127 | 125111 | 42.30 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.62 | 225 | 51148 | 42.67 | ng | | 98 |
| 35) Caprolactam | 8.98 | 113 | 26272 | 46.23 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 9.17 | 107 | 85627 | 44.57 | ng | | 87 |
| 37) 2-Methylnaphthalene | 9.32 | 142 | 201943 | 41.74 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.53 | 216 | 91074 | 40.91 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.50 | 237 | 30269 | 35.71 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.68 | 196 | 62357 | 44.41 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.72 | 196 | 63383 | 43.21 | ng | | 95 |
| 45) 1,1'-Biphenyl | 9.90 | 154 | 236563 | 40.25 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.92 | 162 | 188516 | 40.77 | ng | | 95 |
| 47) 2-Nitroaniline | 10.05 | 65 | 52547 | 45.93 | ng | | 87 |
| 48) Acenaphthylene | 10.42 | 152 | 321114 | 43.00 | ng | | 99 |
| 49) Dimethylphthalate | 10.29 | 163 | 227989 | 42.24 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 10.37 | 165 | 48112 | 43.32 | ng | | 99 |
| 51) Acenaphthene | 10.64 | 154 | 177330 | 42.18 | ng | | 98 |
| 52) 3-Nitroaniline | 10.57 | 138 | 59035 | 46.75 | ng | | 93 |
| 53) 2,4-Dinitrophenol | 10.70 | 184 | 14837 | 45.14 | ng | | 93 |
| 54) Dibenzofuran | 10.84 | 168 | 264342 | 41.17 | ng | | 97 |
| 55) 4-Nitrophenol | 10.81 | 139 | 36598m | 40.76 | ng | | |
| 56) 2,4-Dinitrotoluene | 10.86 | 165 | 66619 | 46.31 | ng | # | 86 |
| 57) Fluorene | 11.26 | 166 | 218481 | 41.98 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 11.01 | 232 | 49142 | 45.19 | ng | | 98 |
| 59) Diethylphthalate | 11.17 | 149 | 236186 | 45.38 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 11.29 | 204 | 104452 | 43.62 | ng | # | 89 |
| 61) 4-Nitroaniline | 11.31 | 138 | 56092 | 43.94 | ng | | 94 |
| 62) Azobenzene | 11.48 | 77 | 228751 | 48.16 | ng | | 85 |
| 64) 4,6-Dinitro-2-methylphenol | 11.36 | 198 | 29277 | 42.29 | ng | # | 70 |
| 65) n-Nitrosodiphenylamine | 11.44 | 169 | 210189 | 42.30 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 11.88 | 248 | 63350 | 41.64 | ng | | 99 |
| 67) Hexachlorobenzene | 11.94 | 284 | 68640 | 41.17 | ng | # | 92 |
| 68) Atrazine | 12.11 | 200 | 61723 | 42.88 | ng | | 95 |
| 69) Pentachlorophenol | 12.19 | 266 | 32347 | 47.27 | ng | | 98 |
| 70) Phenanthrene | 12.44 | 178 | 333020 | 40.07 | ng | | 99 |
| 71) Anthracene | 12.51 | 178 | 353888 | 43.22 | ng | | 99 |
| 72) Carbazole | 12.73 | 167 | 333865 | 43.50 | ng | | 98 |
| 73) Di-n-butylphthalate | 13.19 | 149 | 410364 | 47.20 | ng | | 99 |
| 74) Fluoranthene | 13.91 | 202 | 379188 | 43.27 | ng | | 97 |
| 76) Benzidine | 14.10 | 184 | 216218 | 34.08 | ng | | 99 |
| 77) Pyrene | 14.18 | 202 | 386694 | 37.38 | ng | | 99 |
| 79) Butylbenzylphthalate | 15.04 | 149 | 186673 | 47.35 | ng | # | 83 |
| 80) Benzo(a)anthracene | 15.67 | 228 | 388432 | 39.62 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 15.65 | 252 | 138293 | 42.12 | ng | # | 97 |
| 82) Chrysene | 15.71 | 228 | 366443 | 39.78 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 15.76 | 149 | 287189 | 46.44 | ng | | 97 |
| 84) Di-n-octyl phthalate | 16.52 | 149 | 505737 | 49.81 | ng | # | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 18.53 | 276 | 435873m | 41.70 | ng | | |
| 87) Benzo(b)fluoranthene | 16.91 | 252 | 404309 | 41.00 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 16.93 | 252 | 341148m | 38.93 | ng | | |
| 89) Benzo(a)pyrene | 17.27 | 252 | 352988 | 41.01 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 18.56 | 278 | 356366m | 41.36 | ng | | |
| 91) Benzo(g,h,i)perylene | 18.89 | 276 | 355533m | 41.15 | ng | | |

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

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