Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079045.D
Acq On : 8 May 2015 18:45
Operator : TP/IZ
Sample : PB83253BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB83253BS

Manual Integrations APPROVED
apatel
5/12/2015 3:43:56 PM

Quant Time: May 08 23:26:51 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 08 22:44:53 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.32 | 152 | 78035 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.90 | 136 | 323094 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 11.07 | 164 | 158472 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 12.93 | 188 | 298627 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 16.22 | 240 | 292372 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 17.91 | 264 | 294113 | 20.00 | ng | | -0.17 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 368809 | 81.36 | ng | | 0.00 |
| 7) Phenol-d6 | 6.88 | 99 | 468143 | 78.12 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 8.01 | 82 | 449459 | 79.95 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 12.06 | 330 | 130609 | 76.18 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 10.24 | 172 | 912874 | 80.26 | ng | | -0.01 |
| 78) Terphenyl-d14 | 14.91 | 244 | 1046997 | 85.74 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.31 | 88 | 62655 | 31.79 | ng | # | 33 |
| 3) Pyridine | 3.05 | 79 | 201732 | 34.97 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 2.97 | 42 | 85145m | 34.45 | ng | | |
| 6) Aniline | 6.91 | 93 | 168662 | 19.94 | ng | | 99 |
| 8) 2-Chlorophenol | 7.05 | 128 | 188064 | 36.58 | ng | | 97 |
| 9) Benzaldehyde | 6.78 | 77 | 111938 | 27.73 | ng | | 95 |
| 10) Phenol | 6.90 | 94 | 256624 | 36.92 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 7.00 | 93 | 175857 | 34.51 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 7.24 | 146 | 200269 | 34.65 | ng | | 93 |
| 13) 1,4-Dichlorobenzene | 7.35 | 146 | 206412 | 34.71 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 7.53 | 146 | 193610 | 34.97 | ng | | 97 |
| 15) Benzyl Alcohol | 7.50 | 79 | 157008 | 35.30 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.68 | 45 | 277121 | 35.54 | ng | | 99 |
| 17) 2-Methylphenol | 7.64 | 107 | 155139 | 37.49 | ng | | 97 |
| 18) Hexachloroethane | 7.94 | 117 | 72109 | 35.20 | ng | # | 88 |
| 19) n-Nitroso-di-n-propylamine | 7.84 | 70 | 134156 | 33.15 | ng | # | 83 |
| 20) 3+4-Methylphenols | 7.84 | 107 | 203675 | 36.94 | ng | # | 49 |
| 22) Acetophenone | 7.83 | 105 | 268439 | 36.77 | ng | | 96 |
| 24) Nitrobenzene | 8.03 | 77 | 189740 | 34.05 | ng | | 98 |
| 25) Isophorone | 8.33 | 82 | 344399 | 33.05 | ng | | 99 |
| 26) 2-Nitrophenol | 8.43 | 139 | 88989 | 38.58 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 8.49 | 122 | 181527 | 39.33 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 8.62 | 93 | 223530 | 34.79 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.73 | 162 | 159329 | 38.82 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 8.83 | 180 | 158909 | 35.25 | ng | | 98 |
| 31) Naphthalene | 8.92 | 128 | 545537 | 35.44 | ng | | 99 |
| 32) Benzoic acid | 8.59 | 122 | 93242 | 34.32 | ng | | 96 |
| 33) 4-Chloroaniline | 8.99 | 127 | 118819 | 18.24 | ng | | 97 |
| 34) Hexachlorobutadiene | 9.07 | 225 | 85778 | 33.04 | ng | | 97 |
| 35) Caprolactam | 9.43 | 113 | 48896 | 36.84 | ng | | 92 |
| 36) 4-Chloro-3-methylphenol | 9.60 | 107 | 162717 | 37.75 | ng | | 96 |
| 37) 2-Methylnaphthalene | 9.78 | 142 | 370246 | 34.71 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.99 | 216 | 145419 | 32.58 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 9.98 | 237 | 150456 | 67.04 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 10.14 | 196 | 108971 | 35.51 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 10.18 | 196 | 117007 | 37.72 | ng | # | 92 |
| 45) 1,1'-Biphenyl | 10.37 | 154 | 442176 | 35.10 | ng | | 98 |
| 46) 2-Chloronaphthalene | 10.39 | 162 | 352599 | 35.88 | ng | | 96 |
| 47) 2-Nitroaniline | 10.51 | 65 | 100220 | 35.20 | ng | | 99 |
| 48) Acenaphthylene | 10.90 | 152 | 575101 | 35.64 | ng | | 99 |
| 49) Dimethylphthalate | 10.75 | 163 | 410344 | 35.28 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 10.82 | 165 | 78450 | 34.18 | ng | | 98 |
| 51) Acenaphthene | 11.12 | 154 | 321909 | 33.46 | ng | | 99 |
| 52) 3-Nitroaniline | 11.03 | 138 | 70938 | 24.74 | ng | # | 96 |
| 53) 2,4-Dinitrophenol | 11.17 | 184 | 65445 | 72.11 | ng | # | 84 |
| 54) Dibenzofuran | 11.34 | 168 | 493072 | 35.48 | ng | | 94 |
| 55) 4-Nitrophenol | 11.25 | 139 | 170791 | 75.26 | ng | | 92 |
| 56) 2,4-Dinitrotoluene | 11.33 | 165 | 115008 | 37.90 | ng | # | 76 |
| 57) Fluorene | 11.76 | 166 | 404769 | 35.48 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 11.49 | 232 | 91864 | 36.24 | ng | # | 100 |
| 59) Diethylphthalate | 11.63 | 149 | 396921 | 34.45 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 11.76 | 204 | 171381 | 33.87 | ng | # | 87 |
| 61) 4-Nitroaniline | 11.78 | 138 | 95569 | 33.32 | ng | | 93 |
| 62) Azobenzene | 11.95 | 77 | 399133 | 35.15 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 11.83 | 198 | 46147 | 39.84 | ng | # | 64 |
| 65) n-Nitrosodiphenylamine | 11.91 | 169 | 338855 | 34.07 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 12.38 | 248 | 110647 | 35.55 | ng | # | 84 |
| 67) Hexachlorobenzene | 12.43 | 284 | 125594 | 35.30 | ng | # | 87 |
| 68) Atrazine | 12.58 | 200 | 107766 | 37.26 | ng | | 100 |
| 69) Pentachlorophenol | 12.69 | 266 | 116351 | 57.96 | ng | | 98 |
| 70) Phenanthrene | 12.95 | 178 | 570662 | 34.16 | ng | | 99 |
| 71) Anthracene | 13.02 | 178 | 599225 | 36.56 | ng | | 99 |
| 72) Carbazole | 13.22 | 167 | 580288 | 37.15 | ng | | 98 |
| 73) Di-n-butylphthalate | 13.67 | 149 | 677352 | 36.16 | ng | # | 98 |
| 74) Fluoranthene | 14.43 | 202 | 630350 | 36.21 | ng | | 94 |
| 76) Benzidine | 14.61 | 184 | 250058 | 31.73 | ng | | 99 |
| 77) Pyrene | 14.71 | 202 | 637184 | 37.82 | ng | | 99 |
| 79) Butylbenzylphthalate | 15.53 | 149 | 289831 | 39.35 | ng | | 95 |
| 80) Benzo(a)anthracene | 16.21 | 228 | 573942 | 35.85 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 16.17 | 252 | 150073 | 26.31 | ng | # | 97 |
| 82) Chrysene | 16.24 | 228 | 532852 | 34.60 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 16.25 | 149 | 437166 | 39.19 | ng | | 99 |
| 84) Di-n-octyl phthalate | 17.03 | 149 | 733975 | 37.36 | ng | # | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 19.39 | 276 | 677605 | 34.54 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 17.47 | 252 | 593343 | 36.86 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 17.50 | 252 | 539888m | 34.64 | ng | | |
| 89) Benzo(a)pyrene | 17.85 | 252 | 552203 | 37.25 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 19.42 | 278 | 543385 | 34.49 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 19.83 | 276 | 545142 | 34.53 | ng | | 98 |

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

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