Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040215\
Data File : BF078235.D
Acq On : 3 Apr 2015 9:50
Operator : TP/IZ
Sample : G1731-04MSD
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
COMP-4MSD

**Manual Integrations APPROVED**
apatel
4/6/2015 12:06:20 PM

Quant Time: Apr 03 12:34:32 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 02 13:21:29 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.02 | 152 | 48843 | 20.00 | ng | | 0.01 |
| 21) Naphthalene-d8 | 8.60 | 136 | 201123 | 20.00 | ng | | 0.01 |
| 38) Acenaphthene-d10 | 10.76 | 164 | 103264 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 12.60 | 188 | 199663 | 20.00 | ng | | 0.01 |
| 75) Chrysene-d12 | 15.88 | 240 | 214501 | 20.00 | ng | | 0.01 |
| 86) Perylene-d12 | 17.68 | 264 | 210732 | 20.00 | ng | | 0.09 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.32 | 112 | 233403 | 78.79 | ng | | 0.02 |
| 7) Phenol-d6 | 6.64 | 99 | 300872 | 81.04 | ng | | 0.03 |
| 23) Nitrobenzene-d5 | 7.72 | 82 | 175105 | 52.77 | ng | | 0.01 |
| 41) 2,4,6-Tribromophenol | 11.74 | 330 | 71526 | 83.52 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.95 | 172 | 366907 | 50.79 | ng | | 0.01 |
| 78) Terphenyl-d14 | 14.59 | 244 | 411371 | 43.34 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.87 | 88 | 22298 | 16.65 | ng | | 87 |
| 3) Pyridine | 2.52 | 79 | 63937 | 18.22 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 2.44 | 42 | 37657m | 27.88 | ng | | |
| 6) Aniline | 6.61 | 93 | 79735 | 15.14 | ng | # | 86 |
| 8) 2-Chlorophenol | 6.76 | 128 | 92744 | 26.48 | ng | | 98 |
| 10) Phenol | 6.65 | 94 | 117227 | 26.35 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 6.72 | 93 | 79793 | 24.94 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 6.94 | 146 | 89250 | 23.20 | ng | # | 90 |
| 13) 1,4-Dichlorobenzene | 7.04 | 146 | 91127 | 23.53 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.22 | 146 | 88104 | 24.26 | ng | | 98 |
| 15) Benzyl Alcohol | 7.22 | 79 | 72002 | 27.60 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.39 | 45 | 110230 | 25.83 | ng | # | 5 |
| 17) 2-Methylphenol | 7.39 | 107 | 73776 | 27.13 | ng | | 94 |
| 18) Hexachloroethane | 7.64 | 117 | 30209 | 23.13 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.55 | 70 | 64156 | 26.19 | ng | | 92 |
| 20) 3+4-Methylphenols | 7.58 | 107 | 95467 | 26.31 | ng | | 97 |
| 22) Acetophenone | 7.54 | 105 | 122500 | 26.14 | ng | # | 97 |
| 24) Nitrobenzene | 7.74 | 77 | 91669 | 26.43 | ng | | 95 |
| 25) Isophorone | 8.04 | 82 | 166202 | 26.39 | ng | | 93 |
| 26) 2-Nitrophenol | 8.13 | 139 | 39538 | 23.92 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 8.22 | 122 | 78739 | 25.62 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 8.33 | 93 | 102947 | 25.49 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 8.45 | 162 | 76091 | 27.21 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.53 | 180 | 77885 | 24.29 | ng | | 99 |
| 31) Naphthalene | 8.62 | 128 | 266236 | 25.43 | ng | | 99 |
| 32) Benzoic acid | 8.34 | 122 | 31045 | 24.68 | ng | | 91 |
| 33) 4-Chloroaniline | 8.72 | 127 | 74296 | 17.10 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.78 | 225 | 42284 | 24.02 | ng | | 98 |
| 35) Caprolactam | 9.14 | 113 | 22012 | 26.37 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 9.34 | 107 | 81862 | 29.01 | ng | | 91 |
| 37) 2-Methylnaphthalene | 9.48 | 142 | 182528 | 25.68 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.69 | 216 | 78489 | 24.53 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.68 | 237 | 39850 | 33.28 | ng | | 96 |
| 42) 2,4,6-Trichlorophenol | 9.85 | 196 | 54348 | 26.93 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 9.90 | 196 | 55765 | 26.45 | ng | # | 83 |
| 45) 1,1'-Biphenyl | 10.06 | 154 | 214783 | 25.43 | ng | | 99 |
| 46) 2-Chloronaphthalene | 10.08 | 162 | 167809 | 25.25 | ng | | 97 |
| 47) 2-Nitroaniline | 10.22 | 65 | 49840 | 30.31 | ng | # | 84 |
| 48) Acenaphthylene | 10.59 | 152 | 271744 | 25.32 | ng | | 100 |
| 49) Dimethylphthalate | 10.46 | 163 | 210954 | 27.19 | ng | # | 97 |
| 50) 2,6-Dinitrotoluene | 10.53 | 165 | 42820 | 26.83 | ng | # | 76 |
| 51) Acenaphthene | 10.81 | 154 | 153149 | 25.35 | ng | | 99 |
| 52) 3-Nitroaniline | 10.74 | 138 | 45111 | 24.86 | ng | | 93 |
| 53) 2,4-Dinitrophenol | 10.88 | 184 | 8644 | 24.93 | ng | # | 90 |
| 54) Dibenzofuran | 11.01 | 168 | 233495 | 25.30 | ng | | 95 |
| 55) 4-Nitrophenol | 10.99 | 139 | 64503m | 49.36 | ng | | |
| 56) 2,4-Dinitrotoluene | 11.02 | 165 | 55637 | 26.91 | ng | # | 80 |
| 57) Fluorene | 11.44 | 166 | 195717 | 26.16 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 11.18 | 232 | 43305 | 27.71 | ng | | 99 |
| 59) Diethylphthalate | 11.33 | 149 | 194007 | 25.94 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 11.46 | 204 | 86871 | 25.24 | ng | | 94 |
| 61) 4-Nitroaniline | 11.49 | 138 | 46260 | 25.21 | ng | | 97 |
| 62) Azobenzene | 11.65 | 77 | 201876 | 29.57 | ng | | 85 |
| 64) 4,6-Dinitro-2-methylphenol | 11.53 | 198 | 9557 | 16.49 | ng | # | 58 |
| 65) n-Nitrosodiphenylamine | 11.61 | 169 | 171933 | 24.89 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 12.05 | 248 | 52619 | 24.88 | ng | | 93 |
| 67) Hexachlorobenzene | 12.11 | 284 | 55132 | 23.79 | ng | | 96 |
| 68) Atrazine | 12.28 | 200 | 49624 | 24.81 | ng | | 93 |
| 69) Pentachlorophenol | 12.37 | 266 | 48751 | 50.60 | ng | | 99 |
| 70) Phenanthrene | 12.62 | 178 | 284133 | 24.60 | ng | | 100 |
| 71) Anthracene | 12.69 | 178 | 282523 | 24.82 | ng | | 99 |
| 72) Carbazole | 12.91 | 167 | 289317 | 27.13 | ng | | 97 |
| 73) Di-n-butylphthalate | 13.36 | 149 | 319863 | 26.47 | ng | | 99 |
| 74) Fluoranthene | 14.10 | 202 | 314260 | 25.80 | ng | | 92 |
| 76) Benzidine | 14.29 | 184 | 148921 | 18.03 | ng | | 97 |
| 77) Pyrene | 14.37 | 202 | 333336 | 24.75 | ng | | 99 |
| 79) Butylbenzylphthalate | 15.22 | 149 | 148577 | 28.95 | ng | # | 81 |
| 80) Benzo(a)anthracene | 15.87 | 228 | 307858 | 24.12 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 15.86 | 252 | 103574 | 24.23 | ng | # | 99 |
| 82) Chrysene | 15.92 | 228 | 294476 | 24.56 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 15.95 | 149 | 224159 | 27.85 | ng | | 97 |
| 84) Di-n-octyl phthalate | 16.76 | 149 | 392957 | 29.73 | ng | # | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 19.01 | 276 | 346688 | 25.48 | ng | # | 86 |
| 87) Benzo(b)fluoranthene | 17.21 | 252 | 298459m | 22.92 | ng | | |
| 88) Benzo(k)fluoranthene | 17.24 | 252 | 308594m | 26.66 | ng | | |
| 89) Benzo(a)pyrene | 17.61 | 252 | 305959 | 26.92 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 19.05 | 278 | 277702 | 24.40 | ng | | 100 |
| 91) Benzo(g,h,i)perylene | 19.40 | 276 | 286897 | 25.15 | ng | | 99 |

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

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