Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011915\
Data File : BF076946.D
Acq On : 20 Jan 2015 2:52
Operator : IZ / TP
Sample : G1076-11MSD
Misc : W
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SP-3MSD

Quant Time: Jan 20 04:14:42 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 20 03:20:25 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.98 | 152 | 40070 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.88 | 136 | 178197 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 15.01 | 164 | 97925 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.77 | 188 | 163325 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.27 | 240 | 171112 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 22.93 | 264 | 154200 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.04 | 112 | 29500 | 12.10 | ng | | 0.00 |
| 7) Phenol-d6 | 7.37 | 99 | 34937 | 11.36 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.27 | 82 | 24737 | 7.69 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.68 | 330 | 10029 | 12.62 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.53 | 172 | 55319 | 8.60 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.00 | 244 | 55230 | 7.43 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.29 | 88 | 3533 | 3.39 | ng | | 91 |
| 4) n-Nitrosodimethylamine | 1.77 | 42 | 3578 | 2.67 | ng | # | 93 |
| 6) Aniline | 7.27 | 93 | 12293 | 2.89 | ng | | 98 |
| 8) 2-Chlorophenol | 7.51 | 128 | 9743 | 3.47 | ng | | 94 |
| 10) Phenol | 7.41 | 94 | 10386 | 3.18 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 7.50 | 93 | 10173 | 3.98 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 7.82 | 146 | 11226 | 3.51 | ng | # | 82 |
| 13) 1,4-Dichlorobenzene | 8.01 | 146 | 12117 | 3.57 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.32 | 146 | 11961 | 3.83 | ng | | 90 |
| 15) Benzyl Alcohol | 8.41 | 79 | 7842 | 3.15 | ng | | 87 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.76 | 45 | 14206 | 4.14 | ng | | 92 |
| 17) 2-Methylphenol | 8.76 | 107 | 7584 | 3.30 | ng | # | 90 |
| 18) Hexachloroethane | 9.08 | 117 | 5118 | 4.34 | ng | # | 84 |
| 19) n-Nitroso-di-n-propylamine | 9.03 | 70 | 7420 | 3.45 | ng | | 92 |
| 20) 3+4-Methylphenols | 9.14 | 107 | 9848 | 3.24 | ng | | 91 |
| 22) Acetophenone | 8.96 | 105 | 15420 | 3.53 | ng | | 94 |
| 24) Nitrobenzene | 9.32 | 77 | 11575 | 3.53 | ng | | 99 |
| 25) Isophorone | 9.91 | 82 | 19787 | 3.38 | ng | | 96 |
| 26) 2-Nitrophenol | 10.06 | 139 | 4048 | 4.09 | ng | # | 92 |
| 27) 2,4-Dimethylphenol | 10.33 | 122 | 8143 | 3.21 | ng | | 88 |
| 28) bis(2-Chloroethoxy)methane | 10.53 | 93 | 12019 | 3.61 | ng | | 93 |
| 29) 2,4-Dichlorophenol | 10.68 | 162 | 7111 | 3.01 | ng | # | 72 |
| 30) 1,2,4-Trichlorobenzene | 10.79 | 180 | 9656 | 3.68 | ng | | 99 |
| 31) Naphthalene | 10.93 | 128 | 32725 | 3.57 | ng | | 99 |
| 33) 4-Chloroaniline | 11.18 | 127 | 11412 | 3.08 | ng | # | 96 |
| 34) Hexachlorobutadiene | 11.29 | 225 | 5407 | 3.47 | ng | | 95 |
| 35) Caprolactam | 11.96 | 113 | 1432 | 2.06 | ng | # | 74 |
| 36) 4-Chloro-3-methylphenol | 12.47 | 107 | 9106 | 3.37 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.59 | 142 | 23033 | 3.68 | ng | | 95 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.99 | 216 | 9945 | 4.11 | ng | | 91 |
| 40) Hexachlorocyclopentadiene | 12.97 | 237 | 4261 | 7.66 | ng | | 91 |
| 42) 2,4,6-Trichlorophenol | 13.34 | 196 | 5555 | 3.15 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.43 | 196 | 5333 | 2.96 | ng | # | 82 |
| 45) 1,1'-Biphenyl | 13.74 | 154 | 28362 | 3.91 | ng | | 95 |

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|---|---|---|---|---|---|---|---|
| 46) 2-Chloronaphthalene | 13.72 | 162 | 21742 | 3.64 | ng | | 94 |
| 47) 2-Nitroaniline | 14.06 | 65 | 5838 | 3.22 | ng | | 95 |
| 48) Acenaphthylene | 14.67 | 152 | 34199 | 3.39 | ng | | 96 |
| 49) Dimethylphthalate | 14.60 | 163 | 25949 | 3.74 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.70 | 165 | 5180 | 3.73 | ng | | 91 |
| 51) Acenaphthene | 15.09 | 154 | 18558 | 3.25 | ng | | 96 |
| 52) 3-Nitroaniline | 15.05 | 138 | 5298 | 4.63 | ng | # | 73 |
| 53) 2,4-Dinitrophenol | 15.35 | 184 | 1256 | 13.40 | ng | # | 71 |
| 54) Dibenzofuran | 15.51 | 168 | 32967 | 3.96 | ng | | 97 |
| 55) 4-Nitrophenol | 15.66 | 139 | 5248 | 4.82 | ng | # | 79 |
| 56) 2,4-Dinitrotoluene | 15.64 | 165 | 6121 | 4.92 | ng | # | 92 |
| 57) Fluorene | 16.22 | 166 | 27077 | 3.84 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.85 | 232 | 3978 | 3.04 | ng | # | 87 |
| 59) Diethylphthalate | 16.21 | 149 | 26073 | 3.71 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 16.31 | 204 | 10971 | 3.80 | ng | | 97 |
| 61) 4-Nitroaniline | 16.36 | 138 | 5018 | 4.21 | ng | | 99 |
| 62) Azobenzene | 16.60 | 77 | 25472 | 3.48 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 16.44 | 198 | 2165 | 5.23 | ng | | 77 |
| 65) n-Nitrosodiphenylamine | 16.55 | 169 | 20349 | 3.49 | ng | | 94 |
| 66) 4-Bromophenyl-phenylether | 17.16 | 248 | 6507 | 3.93 | ng | # | 83 |
| 67) Hexachlorobenzene | 17.17 | 284 | 7324 | 4.20 | ng | # | 87 |
| 68) Atrazine | 17.51 | 200 | 6557 | 3.71 | ng | | 92 |
| 69) Pentachlorophenol | 17.53 | 266 | 3030 | 10.37 | ng | | 97 |
| 70) Phenanthrene | 17.81 | 178 | 37929 | 3.72 | ng | | 98 |
| 71) Anthracene | 17.89 | 178 | 36141 | 3.64 | ng | | 97 |
| 72) Carbazole | 18.17 | 167 | 34527 | 3.58 | ng | | 95 |
| 73) Di-n-butylphthalate | 18.76 | 149 | 39013 | 3.50 | ng | | 98 |
| 74) Fluoranthene | 19.45 | 202 | 38342 | 3.67 | ng | | 98 |
| 77) Pyrene | 19.74 | 202 | 40298 | 3.44 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.67 | 149 | 17057 | 3.21 | ng | | 96 |
| 80) Benzo(a)anthracene | 21.26 | 228 | 38963 | 3.63 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.27 | 252 | 11442 | 3.35 | ng | # | 87 |
| 82) Chrysene | 21.31 | 228 | 35600 | 3.64 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.40 | 149 | 23977 | 3.26 | ng | # | 94 |
| 84) Di-n-octyl phthalate | 22.16 | 149 | 40152 | 3.15 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 24.05 | 276 | 36191 | 3.49 | ng | # | 82 |
| 87) Benzo(b)fluoranthene | 22.51 | 252 | 36499 | 3.51 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 22.54 | 252 | 32239m | 3.55 | ng | | |
| 89) Benzo(a)pyrene | 22.87 | 252 | 34364 | 3.75 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 24.07 | 278 | 30923 | 3.68 | ng | # | 92 |
| 91) Benzo(g,h,i)perylene | 24.35 | 276 | 29055 | 3.48 | ng | | 98 |

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

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