Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020116\
Data File : BF084712.D
Acq On : 1 Feb 2016 16:35
Operator : SJ/IZ
Sample : PB88012BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB88012BS

Manual Integrations APPROVED
mohammad
2/2/2016 4:17:58 PM

Quant Time: Feb 02 00:46:23 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 01 14:55:11 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.72 | 152 | 179367 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 8.00 | 136 | 709297 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 9.76 | 164 | 359559 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.23 | 188 | 653877 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.87 | 240 | 499782 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.24 | 264 | 431063 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.32 | 112 | 1434608 | 124.58 | ng | | 0.01 |
| 7) Phenol-d6 | 6.36 | 99 | 1744298 | 122.18 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.29 | 82 | 1120849 | 89.02 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.54 | 330 | 459123 | 122.42 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.08 | 172 | 1867500 | 88.79 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.82 | 244 | 1818694 | 82.46 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.30 | 88 | 176033 | 34.90 | ng | # | 72 |
| 3) Pyridine | 2.97 | 79 | 541514 | 41.20 | ng | # | 74 |
| 4) n-Nitrosodimethylamine | 2.92 | 42 | 271276 | 39.91 | ng | | 81 |
| 6) Aniline | 6.37 | 93 | 558550 | 31.97 | ng | # | 75 |
| 8) 2-Chlorophenol | 6.50 | 128 | 520694 | 39.95 | ng | | 92 |
| 9) Benzaldehyde | 6.26 | 77 | 23284 | 2.76 | ng | | 85 |
| 10) Phenol | 6.38 | 94 | 590381 | 36.92 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 6.45 | 93 | 479675 | 38.46 | ng | | 83 |
| 12) 1,3-Dichlorobenzene | 6.65 | 146 | 500928m | 36.37 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.73 | 146 | 513452 | 37.30 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.89 | 146 | 489146 | 38.15 | ng | | 95 |
| 15) Benzyl Alcohol | 6.86 | 79 | 417098 | 42.31 | ng | | 91 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.00 | 45 | 768698 | 36.64 | ng | | 87 |
| 17) 2-Methylphenol | 6.99 | 107 | 437131 | 42.40 | ng | | 92 |
| 18) Hexachloroethane | 7.22 | 117 | 204908 | 38.65 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 7.14 | 70 | 361942 | 40.45 | ng | # | 76 |
| 20) 3+4-Methylphenols | 7.14 | 107 | 523050 | 40.88 | ng | # | 75 |
| 22) Acetophenone | 7.13 | 105 | 721780 | 38.61 | ng | | 99 |
| 24) Nitrobenzene | 7.30 | 77 | 494644 | 36.69 | ng | | 95 |
| 25) Isophorone | 7.55 | 82 | 993798 | 40.59 | ng | | 96 |
| 26) 2-Nitrophenol | 7.62 | 139 | 278609 | 41.90 | ng | # | 87 |
| 27) 2,4-Dimethylphenol | 7.66 | 122 | 470808 | 40.70 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.76 | 93 | 595880 | 41.02 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.87 | 162 | 432662 | 43.72 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 7.94 | 180 | 440701 | 39.42 | ng | | 96 |
| 31) Naphthalene | 8.02 | 128 | 1378602 | 38.75 | ng | | 99 |
| 32) Benzoic acid | 7.80 | 122 | 305358 | 41.27 | ng | | 93 |
| 33) 4-Chloroaniline | 8.08 | 127 | 483473 | 32.86 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.14 | 225 | 264141 | 40.98 | ng | | 97 |
| 35) Caprolactam | 8.45 | 113 | 139498m | 45.73 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.57 | 107 | 490280 | 43.42 | ng | | 92 |
| 37) 2-Methylnaphthalene | 8.72 | 142 | 1052150 | 47.25 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.88 | 216 | 396463 | 34.72 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.86 | 237 | 406795 | 80.49 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.00 | 196 | 303644 | 41.27 | ng | | 94 |
| 43) 2,4,5-Trichlorophenol | 9.05 | 196 | 294397 | 39.38 | ng | # | 91 |
| 45) 1,1'-Biphenyl | 9.18 | 154 | 1209938 | 37.67 | ng | | 95 |
| 46) 2-Chloronaphthalene | 9.21 | 162 | 889998 | 37.63 | ng | # | 85 |
| 47) 2-Nitroaniline | 9.30 | 65 | 285151 | 38.08 | ng | | 97 |
| 48) Acenaphthylene | 9.62 | 152 | 1427572 | 39.78 | ng | | 98 |
| 49) Dimethylphthalate | 9.49 | 163 | 1137412 | 41.53 | ng | # | 91 |
| 50) 2,6-Dinitrotoluene | 9.55 | 165 | 258853 | 43.27 | ng | # | 84 |
| 51) Acenaphthene | 9.79 | 154 | 930216 | 39.84 | ng | | 96 |
| 52) 3-Nitroaniline | 9.71 | 138 | 200884 | 29.88 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 9.82 | 184 | 253517 | 90.96 | ng | # | 84 |
| 54) Dibenzofuran | 9.96 | 168 | 1306270 | 45.77 | ng | | 97 |
| 55) 4-Nitrophenol | 9.89 | 139 | 350220 | 70.89 | ng | # | 80 |
| 56) 2,4-Dinitrotoluene | 9.95 | 165 | 306843 | 40.21 | ng | # | 84 |
| 57) Fluorene | 10.30 | 166 | 1017423 | 42.69 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.08 | 232 | 237179 | 41.68 | ng | | 92 |
| 59) Diethylphthalate | 10.19 | 149 | 1137559 | 42.54 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.29 | 204 | 428272 | 42.35 | ng | | 94 |
| 61) 4-Nitroaniline | 10.33 | 138 | 248423 | 37.92 | ng | | 90 |
| 62) Azobenzene | 10.45 | 77 | 1113604 | 43.31 | ng | | 90 |
| 64) 4,6-Dinitro-2-methylphenol | 10.36 | 198 | 194368 | 48.16 | ng | | 86 |
| 65) n-Nitrosodiphenylamine | 10.42 | 169 | 929385 | 44.76 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.78 | 248 | 308995 | 42.78 | ng | # | 93 |
| 67) Hexachlorobenzene | 10.84 | 284 | 311870 | 39.63 | ng | # | 83 |
| 68) Atrazine | 10.94 | 200 | 264882 | 40.40 | ng | | 97 |
| 69) Pentachlorophenol | 11.05 | 266 | 347203 | 93.88 | ng | | 98 |
| 70) Phenanthrene | 11.25 | 178 | 1430679 | 39.45 | ng | | 97 |
| 71) Anthracene | 11.31 | 178 | 1605968 | 43.95 | ng | | 99 |
| 72) Carbazole | 11.47 | 167 | 1488939 | 46.73 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.80 | 149 | 1569291 | 38.68 | ng | # | 96 |
| 74) Fluoranthene | 12.44 | 202 | 1619827 | 44.13 | ng | | 96 |
| 76) Benzidine | 12.57 | 184 | 565142 | 31.93 | ng | | 98 |
| 77) Pyrene | 12.67 | 202 | 1697384 | 44.36 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.30 | 149 | 786972 | 45.34 | ng | | 96 |
| 80) Benzo(a)anthracene | 13.85 | 228 | 1330452 | 42.89 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.83 | 252 | 413332 | 37.63 | ng | # | 99 |
| 82) Chrysene | 13.89 | 228 | 1319015 | 43.85 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.86 | 149 | 935505 | 43.31 | ng | | 97 |
| 84) Di-n-octyl phthalate | 14.47 | 149 | 1590511 | 44.63 | ng | # | 90 |
| 85) Indeno(1,2,3-cd)pyrene | 16.55 | 276 | 996566 | 42.09 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.87 | 252 | 1271452m | 43.90 | ng | | |
| 88) Benzo(k)fluoranthene | 14.89 | 252 | 944002m | 39.42 | ng | | |
| 89) Benzo(a)pyrene | 15.20 | 252 | 1073637 | 43.51 | ng | # | 98 |
| 90) Dibenzo(a,h)anthracene | 16.57 | 278 | 833519 | 40.12 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 16.95 | 276 | 837448 | 40.02 | ng | | 98 |

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

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