Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012916\
Data File : BF084648.D
Acq On : 29 Jan 2016 21:19
Operator : SJ/IZ
Sample : PB88084BS
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB88084BS

Manual Integrations APPROVED
mohammad
2/1/2016 2:24:30 PM

Quant Time: Jan 30 00:15:17 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 29 12:54:53 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.73 | 152 | 172185 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.01 | 136 | 687774 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.77 | 164 | 329859 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.24 | 188 | 634360 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.88 | 240 | 514077 | 20.00 | ng | | 0.01 |
| 86) Perylene-d12 | 15.25 | 264 | 518561 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.33 | 112 | 1354744 | 118.77 | ng | | 0.02 |
| 7) Phenol-d6 | 6.37 | 99 | 1562485 | 114.29 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.30 | 82 | 1075736 | 87.41 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.56 | 330 | 457701 | 132.39 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.09 | 172 | 1773592 | 79.92 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.83 | 244 | 1802653 | 79.20 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.30 | 88 | 163672 | 30.77 | ng | # | 77 |
| 3) Pyridine | 2.98 | 79 | 426210 | 30.08 | ng | # | 77 |
| 4) n-Nitrosodimethylamine | 2.93 | 42 | 254445 | 36.72 | ng | | 81 |
| 6) Aniline | 6.38 | 93 | 330566 | 18.84 | ng | # | 1 |
| 8) 2-Chlorophenol | 6.51 | 128 | 499074 | 39.44 | ng | | 91 |
| 9) Benzaldehyde | 6.27 | 77 | 216276 | 27.32 | ng | | 90 |
| 10) Phenol | 6.38 | 94 | 509380 | 33.43 | ng | | 81 |
| 11) bis(2-Chloroethyl)ether | 6.46 | 93 | 430898 | 36.36 | ng | # | 80 |
| 12) 1,3-Dichlorobenzene | 6.66 | 146 | 475721m | 35.09 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.74 | 146 | 491191 | 36.92 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 6.90 | 146 | 478752 | 39.08 | ng | | 96 |
| 15) Benzyl Alcohol | 6.88 | 79 | 391048 | 42.02 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.01 | 45 | 730580 | 36.02 | ng | | 86 |
| 17) 2-Methylphenol | 7.00 | 107 | 405507 | 41.34 | ng | | 94 |
| 18) Hexachloroethane | 7.24 | 117 | 196456 | 37.75 | ng | # | 82 |
| 19) n-Nitroso-di-n-propylamine | 7.15 | 70 | 343475 | 41.13 | ng | # | 77 |
| 20) 3+4-Methylphenols | 7.15 | 107 | 488370 | 41.03 | ng | # | 78 |
| 22) Acetophenone | 7.14 | 105 | 673387 | 37.49 | ng | | 98 |
| 24) Nitrobenzene | 7.31 | 77 | 484763 | 37.06 | ng | | 96 |
| 25) Isophorone | 7.55 | 82 | 932979 | 40.46 | ng | | 97 |
| 26) 2-Nitrophenol | 7.63 | 139 | 266758 | 42.88 | ng | # | 87 |
| 27) 2,4-Dimethylphenol | 7.68 | 122 | 446813 | 40.99 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 7.77 | 93 | 553556 | 40.00 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 7.88 | 162 | 402592 | 42.23 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 7.95 | 180 | 412051 | 37.79 | ng | | 96 |
| 31) Naphthalene | 8.03 | 128 | 1293895 | 37.27 | ng | | 99 |
| 32) Benzoic acid | 7.81 | 122 | 299700 | 35.82 | ng | | 97 |
| 33) 4-Chloroaniline | 8.09 | 127 | 134135 | 9.50 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.16 | 225 | 253096 | 39.28 | ng | | 99 |
| 35) Caprolactam | 8.46 | 113 | 138181m | 50.51 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.58 | 107 | 470115 | 44.79 | ng | | 93 |
| 37) 2-Methylnaphthalene | 8.73 | 142 | 984410 | 46.19 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.89 | 216 | 371640 | 34.74 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.88 | 237 | 423166 | 87.00 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.01 | 196 | 277575 | 41.77 | ng | | 92 |
| 43) 2,4,5-Trichlorophenol | 9.05 | 196 | 275566 | 40.16 | ng | # | 80 |
| 45) 1,1'-Biphenyl | 9.20 | 154 | 1126631 | 37.27 | ng | | 95 |
| 46) 2-Chloronaphthalene | 9.21 | 162 | 836879 | 37.94 | ng | | 96 |
| 47) 2-Nitroaniline | 9.31 | 65 | 267329 | 40.36 | ng | | 98 |
| 48) Acenaphthylene | 9.63 | 152 | 1363772 | 40.81 | ng | | 98 |
| 49) Dimethylphthalate | 9.50 | 163 | 1053993 | 42.57 | ng | # | 91 |
| 50) 2,6-Dinitrotoluene | 9.56 | 165 | 242988 | 44.61 | ng | | 98 |
| 51) Acenaphthene | 9.80 | 154 | 896893 | 40.08 | ng | | 98 |
| 52) 3-Nitroaniline | 9.72 | 138 | 87158 | 15.31 | ng | # | 88 |
| 53) 2,4-Dinitrophenol | 9.84 | 184 | 270560 | 100.66 | ng | | 91 |
| 54) Dibenzofuran | 9.97 | 168 | 1254210 | 46.96 | ng | | 97 |
| 55) 4-Nitrophenol | 9.90 | 139 | 370362 | 88.58 | ng | # | 83 |
| 56) 2,4-Dinitrotoluene | 9.96 | 165 | 322144 | 45.52 | ng | # | 93 |
| 57) Fluorene | 10.32 | 166 | 948476 | 41.90 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.09 | 232 | 247796 | 47.77 | ng | | 89 |
| 59) Diethylphthalate | 10.20 | 149 | 1056614 | 43.60 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.30 | 204 | 394515 | 38.82 | ng | | 92 |
| 61) 4-Nitroaniline | 10.34 | 138 | 228671 | 42.44 | ng | | 93 |
| 62) Azobenzene | 10.46 | 77 | 1055639 | 45.51 | ng | | 90 |
| 64) 4,6-Dinitro-2-methylphenol | 10.37 | 198 | 177194 | 42.77 | ng | | 70 |
| 65) n-Nitrosodiphenylamine | 10.43 | 169 | 877051 | 42.64 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.80 | 248 | 304753 | 42.66 | ng | | 96 |
| 67) Hexachlorobenzene | 10.85 | 284 | 293427 | 37.76 | ng | # | 83 |
| 68) Atrazine | 10.96 | 200 | 255905 | 41.52 | ng | | 98 |
| 69) Pentachlorophenol | 11.06 | 266 | 318283 | 84.77 | ng | | 100 |
| 70) Phenanthrene | 11.26 | 178 | 1345974 | 38.37 | ng | | 97 |
| 71) Anthracene | 11.32 | 178 | 1544625 | 43.31 | ng | | 98 |
| 72) Carbazole | 11.48 | 167 | 1422273 | 46.27 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.81 | 149 | 1456685 | 38.97 | ng | # | 97 |
| 74) Fluoranthene | 12.45 | 202 | 1611709 | 46.47 | ng | | 95 |
| 76) Benzidine | 12.58 | 184 | 626940 | 32.07 | ng | | 98 |
| 77) Pyrene | 12.68 | 202 | 1653404 | 42.64 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.31 | 149 | 751227 | 45.35 | ng | # | 94 |
| 80) Benzo(a)anthracene | 13.86 | 228 | 1354013 | 42.25 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.84 | 252 | 195015 | 17.30 | ng | | 100 |
| 82) Chrysene | 13.91 | 228 | 1384891 | 43.84 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.87 | 149 | 906889 | 42.21 | ng | | 98 |
| 84) Di-n-octyl phthalate | 14.48 | 149 | 1624294 | 47.84 | ng | # | 90 |
| 85) Indeno(1,2,3-cd)pyrene | 16.57 | 276 | 1134553 | 40.63 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.88 | 252 | 1322203m | 39.38 | ng | | |
| 88) Benzo(k)fluoranthene | 14.90 | 252 | 1175430m | 42.38 | ng | | |
| 89) Benzo(a)pyrene | 15.21 | 252 | 1247048 | 42.93 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.59 | 278 | 956010 | 36.52 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 16.97 | 276 | 907317 | 34.33 | ng | | 97 |

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

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