Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
Data File : BF084211.D
Acq On : 31 Dec 2015 22:49
Operator : UM/SJ
Sample : PB87590BS
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB87590BS

Manual Integrations APPROVED
UMANGI
1/4/2016 4:29:44 PM

Quant Time: Jan 02 00:13:30 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 31 14:15:57 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.90 | 152 | 287430 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.19 | 136 | 1217353 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.94 | 164 | 545184 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.42 | 188 | 999951 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.07 | 240 | 734274 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.51 | 264 | 535158 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.50 | 112 | 1757620 | 98.91 | ng | | 0.01 |
| 7) Phenol-d6 | 6.53 | 99 | 2428853 | 108.83 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.47 | 82 | 1643674 | 75.15 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.74 | 330 | 631114 | 114.66 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.26 | 172 | 2347675 | 75.01 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.01 | 244 | 2212431 | 67.26 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.61 | 88 | 261832 | 31.10 | ng | # | 74 |
| 3) Pyridine | 3.34 | 79 | 663352 | 28.26 | ng | # | 72 |
| 4) n-Nitrosodimethylamine | 3.29 | 42 | 406615 | 33.75 | ng | # | 77 |
| 6) Aniline | 6.56 | 93 | 724529 | 22.19 | ng | # | 81 |
| 8) 2-Chlorophenol | 6.68 | 128 | 694822 | 34.46 | ng | | 83 |
| 9) Benzaldehyde | 6.44 | 77 | 255839 | 17.61 | ng | | 94 |
| 10) Phenol | 6.54 | 94 | 1058182 | 41.70 | ng | | 87 |
| 11) bis(2-Chloroethyl)ether | 6.64 | 93 | 673889 | 34.28 | ng | # | 82 |
| 12) 1,3-Dichlorobenzene | 6.84 | 146 | 747220m | 35.93 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.92 | 146 | 763512m | 36.61 | ng | | |
| 14) 1,2-Dichlorobenzene | 7.07 | 146 | 666517 | 33.37 | ng | | 97 |
| 15) Benzyl Alcohol | 7.05 | 79 | 687918 | 36.64 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.18 | 45 | 1233430 | 34.46 | ng | | 84 |
| 17) 2-Methylphenol | 7.15 | 107 | 581323 | 34.40 | ng | | 94 |
| 18) Hexachloroethane | 7.41 | 117 | 290648 | 34.85 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 7.32 | 70 | 555636 | 36.78 | ng | # | 77 |
| 20) 3+4-Methylphenols | 7.31 | 107 | 763270 | 38.43 | ng | # | 81 |
| 22) Acetophenone | 7.31 | 105 | 955688 | 32.65 | ng | # | 84 |
| 24) Nitrobenzene | 7.48 | 77 | 725661 | 32.71 | ng | | 94 |
| 25) Isophorone | 7.72 | 82 | 1410167 | 33.71 | ng | | 97 |
| 26) 2-Nitrophenol | 7.80 | 139 | 374350 | 37.08 | ng | # | 85 |
| 27) 2,4-Dimethylphenol | 7.84 | 122 | 691945 | 33.86 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.94 | 93 | 891719 | 34.90 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.04 | 162 | 596197 | 35.02 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 8.13 | 180 | 639110 | 36.36 | ng | # | 94 |
| 31) Naphthalene | 8.21 | 128 | 2101174 | 38.04 | ng | | 99 |
| 32) Benzoic acid | 7.95 | 122 | 424031 | 34.30 | ng | | 90 |
| 33) 4-Chloroaniline | 8.26 | 127 | 385901 | 15.24 | ng | # | 93 |
| 34) Hexachlorobutadiene | 8.33 | 225 | 347072 | 34.35 | ng | | 99 |
| 35) Caprolactam | 8.62 | 113 | 210134m | 36.62 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.74 | 107 | 708519 | 37.16 | ng | | 95 |
| 37) 2-Methylnaphthalene | 8.90 | 142 | 1305041 | 32.92 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.07 | 216 | 591431 | 37.74 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.06 | 237 | 702000 | 74.20 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.17 | 196 | 414880 | 35.38 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 9.22 | 196 | 437165 | 38.89 | ng | # | 91 |
| 45) 1,1'-Biphenyl | 9.37 | 154 | 1686054 | 38.91 | ng | | 100 |
| 46) 2-Chloronaphthalene | 9.39 | 162 | 1244507 | 36.57 | ng | | 94 |
| 47) 2-Nitroaniline | 9.48 | 65 | 419403 | 37.34 | ng | | 98 |
| 48) Acenaphthylene | 9.80 | 152 | 1877709 | 37.34 | ng | | 97 |
| 49) Dimethylphthalate | 9.66 | 163 | 1410592 | 36.19 | ng | # | 89 |
| 50) 2,6-Dinitrotoluene | 9.73 | 165 | 325262 | 38.05 | ng | # | 87 |
| 51) Acenaphthene | 9.97 | 154 | 1365925 | 40.50 | ng | | 98 |
| 52) 3-Nitroaniline | 9.89 | 138 | 234808 | 22.17 | ng | | 87 |
| 53) 2,4-Dinitrophenol | 10.00 | 184 | 273661 | 75.37 | ng | # | 77 |
| 54) Dibenzofuran | 10.16 | 168 | 1714764 | 38.85 | ng | | 97 |
| 55) 4-Nitrophenol | 10.05 | 139 | 570190 | 74.16 | ng | # | 81 |
| 56) 2,4-Dinitrotoluene | 10.13 | 165 | 466520 | 43.12 | ng | # | 74 |
| 57) Fluorene | 10.49 | 166 | 1232937 | 36.02 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.27 | 232 | 355251 | 37.02 | ng | | 91 |
| 59) Diethylphthalate | 10.37 | 149 | 1551751 | 40.38 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.49 | 204 | 647218 | 45.50 | ng | | 99 |
| 61) 4-Nitroaniline | 10.51 | 138 | 368998 | 39.08 | ng | | 86 |
| 62) Azobenzene | 10.65 | 77 | 1686339 | 40.01 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 10.53 | 198 | 226994 | 37.19 | ng | | 80 |
| 65) n-Nitrosodiphenylamine | 10.60 | 169 | 1121242 | 35.07 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.98 | 248 | 413874 | 38.45 | ng | | 98 |
| 67) Hexachlorobenzene | 11.04 | 284 | 413647 | 34.15 | ng | # | 82 |
| 68) Atrazine | 11.13 | 200 | 378131 | 36.14 | ng | | 97 |
| 69) Pentachlorophenol | 11.23 | 266 | 473505 | 75.39 | ng | | 99 |
| 70) Phenanthrene | 11.45 | 178 | 1971677 | 37.70 | ng | | 97 |
| 71) Anthracene | 11.50 | 178 | 2068072 | 40.33 | ng | | 97 |
| 72) Carbazole | 11.65 | 167 | 1640726 | 32.73 | ng | | 98 |
| 73) Di-n-butylphthalate | 12.00 | 149 | 2291621 | 42.37 | ng | # | 96 |
| 74) Fluoranthene | 12.64 | 202 | 1909383 | 34.94 | ng | | 98 |
| 76) Benzidine | 12.76 | 184 | 506340 | 19.23 | ng | | 98 |
| 77) Pyrene | 12.86 | 202 | 1969477 | 34.18 | ng | | 97 |
| 79) Butylbenzylphthalate | 13.49 | 149 | 979006 | 39.26 | ng | # | 92 |
| 80) Benzo(a)anthracene | 14.05 | 228 | 1453993 | 33.72 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 14.02 | 252 | 348708 | 23.17 | ng | # | 99 |
| 82) Chrysene | 14.09 | 228 | 1374349 | 33.17 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 14.05 | 149 | 1129742 | 35.86 | ng | | 98 |
| 84) Di-n-octyl phthalate | 14.66 | 149 | 1800658 | 33.86 | ng | # | 86 |
| 85) Indeno(1,2,3-cd)pyrene | 16.92 | 276 | 1251803 | 38.12 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 15.08 | 252 | 1509881m | 43.13 | ng | | |
| 88) Benzo(k)fluoranthene | 15.12 | 252 | 886352m | 30.96 | ng | | |
| 89) Benzo(a)pyrene | 15.44 | 252 | 1148260 | 38.67 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 16.95 | 278 | 1036071 | 40.55 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 17.35 | 276 | 1056193 | 39.92 | ng | | 98 |

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

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