Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020316\
Data File : BF084789.D
Acq On : 3 Feb 2016 17:21
Operator : SJ/IZ
Sample : PB88159BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB88159BS

Manual Integrations APPROVED
mohammad
2/4/2016 2:04:29 PM

Quant Time: Feb 04 00:41:05 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 03 14:16:01 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.68 | 152 | 184199 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.97 | 136 | 772740 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.73 | 164 | 348545 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.21 | 188 | 662869 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.84 | 240 | 485596 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.21 | 264 | 374399 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.29 | 112 | 1164896 | 98.50 | ng | | 0.01 |
| 7) Phenol-d6 | 6.34 | 99 | 1517796 | 103.53 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.26 | 82 | 976602 | 71.19 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.52 | 330 | 409818 | 112.72 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.06 | 172 | 1695311 | 80.44 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.80 | 244 | 1630950 | 76.11 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.28 | 88 | 161668 | 31.21 | ng | # | 74 |
| 3) Pyridine | 2.93 | 79 | 475388 | 35.22 | ng | # | 74 |
| 4) n-Nitrosodimethylamine | 2.89 | 42 | 240767 | 34.49 | ng | | 80 |
| 6) Aniline | 6.35 | 93 | 318710 | 17.77 | ng | # | 40 |
| 8) 2-Chlorophenol | 6.48 | 128 | 485826 | 36.29 | ng | | 99 |
| 9) Benzaldehyde | 6.22 | 77 | 170693 | 19.72 | ng | | 92 |
| 10) Phenol | 6.35 | 94 | 486826 | 29.64 | ng | # | 63 |
| 11) bis(2-Chloroethyl)ether | 6.43 | 93 | 444530m | 34.71 | ng | | |
| 12) 1,3-Dichlorobenzene | 6.62 | 146 | 484137 | 34.23 | ng | # | 95 |
| 13) 1,4-Dichlorobenzene | 6.70 | 146 | 500432 | 35.40 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 6.85 | 146 | 426575 | 32.39 | ng | | 95 |
| 15) Benzyl Alcohol | 6.84 | 79 | 379625 | 37.50 | ng | | 91 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.98 | 45 | 696993 | 32.35 | ng | | 87 |
| 17) 2-Methylphenol | 6.97 | 107 | 395140 | 37.33 | ng | # | 91 |
| 18) Hexachloroethane | 7.20 | 117 | 184467 | 33.88 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 7.12 | 70 | 327793 | 35.67 | ng | # | 77 |
| 20) 3+4-Methylphenols | 7.12 | 107 | 475498 | 36.19 | ng | # | 79 |
| 22) Acetophenone | 7.10 | 105 | 650378 | 31.93 | ng | | 99 |
| 24) Nitrobenzene | 7.28 | 77 | 475862 | 32.39 | ng | | 97 |
| 25) Isophorone | 7.52 | 82 | 884138 | 33.15 | ng | | 98 |
| 26) 2-Nitrophenol | 7.60 | 139 | 266650 | 36.81 | ng | # | 90 |
| 27) 2,4-Dimethylphenol | 7.64 | 122 | 421715 | 33.46 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 7.73 | 93 | 527690 | 33.35 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.85 | 162 | 373610 | 34.65 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 7.92 | 180 | 398640 | 32.73 | ng | | 96 |
| 31) Naphthalene | 8.00 | 128 | 1285086 | 33.15 | ng | | 99 |
| 32) Benzoic acid | 7.78 | 122 | 260559 | 32.33 | ng | | 96 |
| 33) 4-Chloroaniline | 8.05 | 127 | 141218 | 8.81 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.12 | 225 | 235966 | 33.60 | ng | | 99 |
| 35) Caprolactam | 8.43 | 113 | 118996m | 35.81 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.56 | 107 | 454643 | 36.96 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.69 | 142 | 931035 | 38.38 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.85 | 216 | 348517 | 31.48 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.84 | 237 | 349225 | 73.81 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.98 | 196 | 260004 | 36.46 | ng | | 92 |
| 43) 2,4,5-Trichlorophenol | 9.01 | 196 | 255773 | 35.30 | ng | # | 82 |
| 45) 1,1'-Biphenyl | 9.15 | 154 | 1009132 | 32.41 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.17 | 162 | 754927 | 32.93 | ng | | 95 |
| 47) 2-Nitroaniline | 9.28 | 65 | 235488 | 32.44 | ng | | 98 |
| 48) Acenaphthylene | 9.58 | 152 | 1157421 | 33.27 | ng | | 97 |
| 49) Dimethylphthalate | 9.47 | 163 | 963143 | 36.28 | ng | # | 91 |
| 50) 2,6-Dinitrotoluene | 9.53 | 165 | 224292 | 38.68 | ng | # | 91 |
| 51) Acenaphthene | 9.76 | 154 | 748381 | 33.06 | ng | | 97 |
| 52) 3-Nitroaniline | 9.69 | 138 | 104757 | 16.08 | ng | | 95 |
| 53) 2,4-Dinitrophenol | 9.80 | 184 | 203757 | 76.41 | ng | # | 89 |
| 54) Dibenzofuran | 9.94 | 168 | 1098352 | 39.70 | ng | | 98 |
| 55) 4-Nitrophenol | 9.87 | 139 | 275630 | 57.55 | ng | # | 81 |
| 56) 2,4-Dinitrotoluene | 9.93 | 165 | 271690 | 36.73 | ng | # | 88 |
| 57) Fluorene | 10.27 | 166 | 802814 | 34.75 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.05 | 232 | 206185 | 37.38 | ng | | 93 |
| 59) Diethylphthalate | 10.17 | 149 | 940243 | 36.27 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 10.27 | 204 | 385729 | 38.73 | ng | | 96 |
| 61) 4-Nitroaniline | 10.30 | 138 | 200347 | 31.55 | ng | | 92 |
| 62) Azobenzene | 10.43 | 77 | 997842 | 40.03 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 10.34 | 198 | 152464 | 37.27 | ng | | 73 |
| 65) n-Nitrosodiphenylamine | 10.40 | 169 | 807890 | 38.38 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.76 | 248 | 259635 | 35.46 | ng | | 97 |
| 67) Hexachlorobenzene | 10.82 | 284 | 281874 | 35.33 | ng | # | 94 |
| 68) Atrazine | 10.92 | 200 | 226333 | 34.05 | ng | | 99 |
| 69) Pentachlorophenol | 11.02 | 266 | 259468 | 69.21 | ng | | 99 |
| 70) Phenanthrene | 11.23 | 178 | 1195787 | 32.52 | ng | | 97 |
| 71) Anthracene | 11.29 | 178 | 1290625 | 34.84 | ng | | 99 |
| 72) Carbazole | 11.45 | 167 | 1145914 | 35.47 | ng | | 97 |
| 73) Di-n-butylphthalate | 11.78 | 149 | 1283611 | 31.21 | ng | # | 96 |
| 74) Fluoranthene | 12.42 | 202 | 1282453 | 34.46 | ng | | 92 |
| 76) Benzidine | 12.55 | 184 | 344132 | 21.46 | ng | | 97 |
| 77) Pyrene | 12.64 | 202 | 1216012 | 32.71 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.28 | 149 | 591900 | 35.09 | ng | # | 84 |
| 80) Benzo(a)anthracene | 13.83 | 228 | 1055002 | 35.00 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.79 | 252 | 158220 | 14.83 | ng | # | 94 |
| 82) Chrysene | 13.86 | 228 | 918062 | 31.41 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.84 | 149 | 762190 | 36.31 | ng | # | 96 |
| 84) Di-n-octyl phthalate | 14.44 | 149 | 1165772 | 33.67 | ng | # | 89 |
| 85) Indeno(1,2,3-cd)pyrene | 16.50 | 276 | 778497 | 33.84 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.83 | 252 | 830030m | 33.00 | ng | | |
| 88) Benzo(k)fluoranthene | 14.85 | 252 | 847712m | 40.76 | ng | | |
| 89) Benzo(a)pyrene | 15.15 | 252 | 771115 | 35.98 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 16.51 | 278 | 642526 | 35.61 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 16.89 | 276 | 662663 | 36.46 | ng | | 98 |

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

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