Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090479.D
Acq On : 8 Oct 2016 10:34
Operator : UM/SJ
Sample : H5134-04MS
Misc :
ALS Vial : 41 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
MJSB-16(6.5-8.5)MS

**Manual Integrations APPROVED**
sohil
10/10/2016 6:51:05 PM

Quant Time: Oct 10 03:51:20 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 05 14:57:00 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.00 | 152 | 219651 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.30 | 136 | 560380 | 20.00 | ng | | 0.01 |
| 38) Acenaphthene-d10 | 10.10 | 164 | 180018 | 20.00 | ng | | 0.05 |
| 63) Phenanthrene-d10 | 11.57 | 188 | 401533 | 20.00 | ng | | 0.02 |
| 75) Chrysene-d12 | 14.20 | 240 | 470997 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.70 | 264 | 443658 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 1313229 | 89.23 | ng | | 0.00 |
| 7) Phenol-d6 | 6.63 | 99 | 1907375 | 98.95 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.56 | 82 | 952784 | 82.70 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.89 | 330 | 216093 | 147.63 | ng | | 0.03 |
| 44) 2-Fluorobiphenyl | 9.40 | 172 | 1054219 | 97.57 | ng | | 0.02 |
| 78) Terphenyl-d14 | 13.14 | 244 | 1281209 | 61.16 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.69 | 88 | 176593 | 24.34 | ng | # | 85 |
| 3) Pyridine | 3.47 | 79 | 566847 | 28.02 | ng | # | 76 |
| 4) n-Nitrosodimethylamine | 3.40 | 42 | 216425 | 25.93 | ng | # | 46 |
| 6) Aniline | 6.66 | 93 | 346040 | 13.00 | ng | | 97 |
| 8) 2-Chlorophenol | 6.78 | 128 | 509250 | 31.44 | ng | | 95 |
| 9) Benzaldehyde | 6.53 | 77 | 213596 | 21.92 | ng | | 92 |
| 10) Phenol | 6.65 | 94 | 789287 | 35.22 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 6.73 | 93 | 519825 | 30.29 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 6.94 | 146 | 521124 | 32.28 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.01 | 146 | 494673 | 30.17 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.17 | 146 | 467645m | 29.60 | ng | | |
| 15) Benzyl Alcohol | 7.14 | 79 | 537367 | 36.67 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.27 | 45 | 477500 | 16.41 | ng | # | 46 |
| 17) 2-Methylphenol | 7.25 | 107 | 402535 | 30.22 | ng | # | 81 |
| 18) Hexachloroethane | 7.58 | 117 | 2340034 | 361.98 | ng | # | 23 |
| 19) n-Nitroso-di-n-propylamine | 7.41 | 70 | 394290m | 27.90 | ng | | |
| 20) 3+4-Methylphenols | 7.41 | 107 | 493211 | 28.61 | ng | # | 72 |
| 22) Acetophenone | 7.41 | 105 | 630483 | 47.50 | ng | # | 89 |
| 24) Nitrobenzene | 7.58 | 77 | 541627m | 47.36 | ng | | |
| 25) Isophorone | 7.82 | 82 | 1163893 | 55.26 | ng | # | 44 |
| 26) 2-Nitrophenol | 7.90 | 139 | 146385 | 29.74 | ng | # | 1 |
| 27) 2,4-Dimethylphenol | 7.95 | 122 | 395167 | 41.28 | ng | | 89 |
| 28) bis(2-Chloroethoxy)methane | 8.03 | 93 | 501611 | 40.27 | ng | # | 15 |
| 29) 2,4-Dichlorophenol | 8.15 | 162 | 445394 | 61.19 | ng | | 85 |
| 30) 1,2,4-Trichlorobenzene | 8.23 | 180 | 401251 | 53.49 | ng | | 96 |
| 31) Naphthalene | 8.33 | 128 | 1752962 | 64.84 | ng | # | 77 |
| 33) 4-Chloroaniline | 8.36 | 127 | 659865m | 59.05 | ng | | |
| 34) Hexachlorobutadiene | 8.44 | 225 | 209220 | 49.92 | ng | | 99 |
| 35) Caprolactam | 8.75 | 113 | 555602 | 227.04 | ng | # | 65 |
| 36) 4-Chloro-3-methylphenol | 8.86 | 107 | 311969 | 34.23 | ng | | 93 |
| 37) 2-Methylnaphthalene | 9.05 | 142 | 814691 | 49.78 | ng | | 93 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.22 | 216 | 232891 | 49.07 | ng | # | 73 |
| 40) Hexachlorocyclopentadiene | 9.19 | 237 | 26412 | 10.15 | ng | | 94 |
| 42) 2,4,6-Trichlorophenol | 9.32 | 196 | 184451m | 56.32 | ng | | |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 9.35 | 196 | 72038m | 23.26 | ng | | |
| 45) 1,1'-Biphenyl | 9.50 | 154 | 493351 | 36.98 | ng | | 98 |
| 46) 2-Chloronaphthalene | 9.53 | 162 | 396578 | 40.24 | ng | # | 84 |
| 47) 2-Nitroaniline | 9.61 | 65 | 160356 | 41.23 | ng | | 92 |
| 48) Acenaphthylene | 9.96 | 152 | 734773 | 45.18 | ng | # | 71 |
| 49) Dimethylphthalate | 9.79 | 163 | 618187 | 53.62 | ng | # | 91 |
| 50) 2,6-Dinitrotoluene | 9.87 | 165 | 157360 | 61.48 | ng | # | 90 |
| 51) Acenaphthene | 10.12 | 154 | 594258 | 58.61 | ng | # | 80 |
| 52) 3-Nitroaniline | 10.02 | 138 | 129760m | 43.40 | ng | | |
| 54) Dibenzofuran | 10.30 | 168 | 658717 | 50.19 | ng | # | 43 |
| 55) 4-Nitrophenol | 10.18 | 139 | 306737 | 117.25 | ng | # | 51 |
| 57) Fluorene | 10.65 | 166 | 849282 | 77.00 | ng | # | 87 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.43 | 232 | 84131m | 36.38 | ng | | |
| 59) Diethylphthalate | 10.50 | 149 | 347731m | 29.15 | ng | | |
| 60) 4-Chlorophenyl-phenylether | 10.63 | 204 | 178348 | 35.56 | ng | # | 66 |
| 61) 4-Nitroaniline | 10.63 | 138 | 91731 | 30.45 | ng | | 92 |
| 62) Azobenzene | 10.79 | 77 | 469221 | 34.06 | ng | # | 26 |
| 66) 4-Bromophenyl-phenylether | 11.11 | 248 | 158957 | 40.39 | ng | # | 59 |
| 67) Hexachlorobenzene | 11.23 | 284 | 105604 | 24.09 | ng | # | 75 |
| 68) Atrazine | 11.27 | 200 | 181444 | 54.69 | ng | | 77 |
| 69) Pentachlorophenol | 11.39 | 266 | 147145 | 56.40 | ng | | 99 |
| 70) Phenanthrene | 11.61 | 178 | 2898058 | 140.95 | ng | | 95 |
| 71) Anthracene | 11.65 | 178 | 1193038m | 56.82 | ng | | |
| 72) Carbazole | 11.80 | 167 | 656267 | 33.64 | ng | # | 87 |
| 73) Di-n-butylphthalate | 12.12 | 149 | 876160 | 36.91 | ng | | 98 |
| 74) Fluoranthene | 12.78 | 202 | 2132288 | 105.73 | ng | | 95 |
| 76) Benzidine | 12.89 | 184 | 259733 | 20.97 | ng | # | 85 |
| 77) Pyrene | 13.01 | 202 | 2458514 | 78.28 | ng | | 98 |
| 79) Butylbenzylphthalate | 13.61 | 149 | 499178 | 30.98 | ng | | 98 |
| 80) Benzo(a)anthracene | 14.19 | 228 | 2082048 | 78.79 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.14 | 252 | 274347 | 28.63 | ng | # | 98 |
| 82) Chrysene | 14.22 | 228 | 1841401 | 75.71 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 14.17 | 149 | 833394 | 36.38 | ng | | 98 |
| 84) Di-n-octyl phthalate | 14.78 | 149 | 1219258 | 35.90 | ng | # | 91 |
| 85) Indeno(1,2,3-cd)pyrene | 17.23 | 276 | 1361743 | 78.53 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 15.26 | 252 | 2701712m | 95.60 | ng | | |
| 88) Benzo(k)fluoranthene | 15.29 | 252 | 1145503m | 43.15 | ng | | |
| 89) Benzo(a)pyrene | 15.64 | 252 | 2005355 | 82.33 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 17.24 | 278 | 766046 | 36.97 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.69 | 276 | 1107604 | 55.70 | ng | | 99 |

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

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