Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050119\
Data File : BF114059.D
Acq On : 1 May 2019 10:50
Operator : JU/SJ
Sample : K2194-01MS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 01 14:36:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 23 03:32:35 2019
Response via : Initial Calibration

**Instrument :**
BNA_F
**ClientSampleId :**
JC-03-042919-AMS

**Manual Integrations APPROVED**

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5/2/2019 4:53:28 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.89 | 152 | 89183 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.17 | 136 | 369892 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.93 | 164 | 188587 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.42 | 188 | 416379 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.06 | 240 | 298877 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 15.56 | 264 | 283630 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.51 | 112 | 255736 | 49.05 | ng | | 0.00 |
| 7) Phenol-d6 | 6.52 | 99 | 352528 | 53.89 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.45 | 82 | 197512 | 32.97 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.72 | 330 | 123542 | 53.78 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.25 | 172 | 460612 | 38.20 | ng | | -0.01 |
| 79) Terphenyl-d14 | 13.00 | 244 | 559717 | 38.39 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.61 | 88 | 35263 | 14.346 | ng | | 95 |
| 3) Pyridine | 3.40 | 79 | 86751 | 12.930 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.31 | 42 | 31811m | 13.851 | ng | | |
| 6) Aniline | 6.55 | 93 | 95394 | 10.619 | ng | | 96 |
| 8) 2-Chlorophenol | 6.67 | 128 | 98137 | 16.485 | ng | | 99 |
| 9) Benzaldehyde | 6.44 | 77 | 20520 | 1.236 | ng | | 93 |
| 10) Phenol | 6.53 | 94 | 129727 | 16.583 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 6.62 | 93 | 94163 | 15.996 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.83 | 146 | 110941 | 16.454 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 6.91 | 146 | 117547 | 17.333 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 7.06 | 146 | 108864 | 17.467 | ng | | 97 |
| 15) Benzyl Alcohol | 7.03 | 79 | 81155 | 18.419 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.16 | 45 | 111485 | 16.224 | ng | | 92 |
| 17) 2-Methylphenol | 7.14 | 107 | 83033 | 15.912 | ng | | 99 |
| 18) Hexachloroethane | 7.40 | 117 | 37989 | 15.980 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.29 | 70 | 70931 | 16.743 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.29 | 107 | 102909 | 17.455 | ng | # | 54 |
| 22) Acetophenone | 7.29 | 105 | 141257 | 17.161 | ng | # | 95 |
| 24) Nitrobenzene | 7.46 | 77 | 104626 | 15.806 | ng | | 97 |
| 25) Isophorone | 7.70 | 82 | 207880 | 16.959 | ng | | 98 |
| 26) 2-Nitrophenol | 7.79 | 139 | 54488 | 18.043 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.82 | 122 | 100452 | 20.416 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.92 | 93 | 134036 | 17.160 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.03 | 162 | 99059 | 17.606 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 8.12 | 180 | 109449 | 17.446 | ng | | 99 |
| 31) Naphthalene | 8.19 | 128 | 320841 | 18.259 | ng | | 99 |
| 32) Benzoic acid | 7.82 | 122 | 100452 | 30.232 | ng | # | 14 |
| 33) 4-Chloroaniline | 8.24 | 127 | 94434 | 12.701 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.32 | 225 | 60014 | 15.346 | ng | | 98 |
| 35) Caprolactam | 8.58 | 113 | 29654 | 16.568 | ng | | 93 |
| 36) 4-Chloro-3-methylphenol | 8.72 | 107 | 91314 | 16.382 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.89 | 142 | 210174 | 17.737 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.99 | 142 | 204291 | 17.863 | ng | | 97 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.06 | 216 | 104941 | 17.131 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.05 | 237 | 37606 | 11.009 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.16 | 196 | 74074 | 19.043 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 9.21 | 196 | 80259 | 18.395 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.35 | 154 | 276433 | 19.188 | ng | | 97 |
| 47) 2-Chloronaphthalene | 9.37 | 162 | 216679 | 18.495 | ng | | 99 |
| 48) 2-Nitroaniline | 9.46 | 65 | 58650 | 19.096 | ng | | 94 |
| 49) Acenaphthylene | 9.79 | 152 | 343668 | 18.737 | ng | | 97 |
| 50) Dimethylphthalate | 9.64 | 163 | 291804 | 21.395 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.70 | 165 | 55485 | 18.962 | ng | | 98 |
| 52) Acenaphthene | 9.96 | 154 | 195334 | 18.021 | ng | | 98 |
| 53) 3-Nitroaniline | 9.87 | 138 | 44902 | 14.603 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 9.99 | 184 | 5246 | 12.032 | ng | # | 5 |
| 55) Dibenzofuran | 10.13 | 168 | 296190 | 18.242 | ng | | 100 |
| 56) 4-Nitrophenol | 10.03 | 139 | 87996 | 36.145 | ng | | 100 |
| 57) 2,4-Dinitrotoluene | 10.11 | 165 | 68940 | 18.666 | ng | # | 96 |
| 58) Fluorene | 10.47 | 166 | 249369 | 20.400 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.25 | 232 | 70991 | 18.515 | ng | # | 97 |
| 60) Diethylphthalate | 10.34 | 149 | 249945 | 19.298 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 10.47 | 204 | 128541 | 19.855 | ng | | 95 |
| 62) 4-Nitroaniline | 10.48 | 138 | 52126 | 17.372 | ng | | 90 |
| 63) Azobenzene | 10.63 | 77 | 228068 | 18.169 | ng | | 94 |
| 65) 4,6-Dinitro-2-methylphenol | 10.52 | 198 | 15713 | 14.288 | ng | | 86 |
| 66) n-Nitrosodiphenylamine | 10.58 | 169 | 221636 | 17.740 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 10.96 | 248 | 83039 | 16.509 | ng | | 97 |
| 68) Hexachlorobenzene | 11.03 | 284 | 84639 | 15.312 | ng | | 94 |
| 69) Atrazine | 11.10 | 200 | 75611 | 18.604 | ng | | 99 |
| 70) Pentachlorophenol | 11.22 | 266 | 79101 | 25.275 | ng | | 97 |
| 71) Phenanthrene | 11.44 | 178 | 451745 | 21.588 | ng | | 98 |
| 72) Anthracene | 11.49 | 178 | 412371 | 19.515 | ng | | 98 |
| 73) Carbazole | 11.64 | 167 | 329265 | 17.466 | ng | | 99 |
| 74) Di-n-butylphthalate | 11.97 | 149 | 405655 | 18.292 | ng | | 98 |
| 75) Fluoranthene | 12.63 | 202 | 544086 | 23.832 | ng | | 96 |
| 77) Benzidine | 12.76 | 184 | 52755 | 5.924 | ng | # | 82 |
| 78) Pyrene | 12.86 | 202 | 565503 | 27.056 | ng | | 98 |
| 80) Butylbenzylphthalate | 13.47 | 149 | 152269 | 18.517 | ng | | 99 |
| 81) Benzo(a)anthracene | 14.05 | 228 | 394875 | 22.424 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.00 | 252 | 65444 | 10.140 | ng | | 99 |
| 83) Chrysene | 14.09 | 228 | 359976 | 20.990 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 14.03 | 149 | 222916 | 21.306 | ng | | 98 |
| 85) Di-n-octyl phthalate | 14.66 | 149 | 332515 | 20.304 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 17.06 | 276 | 349624 | 21.522 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.12 | 252 | 385992m | 21.510 | ng | | |
| 89) Benzo(k)fluoranthene | 15.15 | 252 | 296607 | 19.215 | ng | | 97 |
| 90) Benzo(a)pyrene | 15.50 | 252 | 334239 | 21.534 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.08 | 278 | 274268 | 18.824 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.52 | 276 | 311736 | 21.201 | ng | | 97 |

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

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