Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110818\
Data File : BF110581.D
Acq On : 8 Nov 2018 13:29
Operator : JU/SJ
Sample : SSTDICC080
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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11/9/2018 4:26:05 PM

Quant Time: Nov 08 14:15:59 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 08 13:42:57 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.95 | 152 | 80266 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.23 | 136 | 336836 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.99 | 164 | 158737 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.49 | 188 | 288917 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.14 | 240 | 175118 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.66 | 264 | 137033 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.57 | 112 | 771639 | 156.55 | ng | | 0.00 |
| 7) Phenol-d6 | 6.59 | 99 | 968397 | 153.60 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.53 | 82 | 908207 | 159.93 | ng | | 0.01 |
| 42) 2,4,6-Tribromophenol | 10.79 | 330 | 235484 | 149.76 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.31 | 172 | 1558920 | 154.21 | ng | | 0.00 |
| 79) Terphenyl-d14 | 13.07 | 244 | 1478089 | 175.54 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.79 | 88 | 198173 | 76.739 | ng | | 91 |
| 3) Pyridine | 3.57 | 79 | 442986 | 77.016 | ng | # | 85 |
| 4) n-Nitrosodimethylamine | 3.56 | 42 | 198645 | 82.432 | ng | | 91 |
| 6) Aniline | 6.63 | 93 | 622795 | 75.833 | ng | # | 53 |
| 8) 2-Chlorophenol | 6.74 | 128 | 441504 | 77.693 | ng | | 97 |
| 9) Benzaldehyde | 6.50 | 77 | 207504 | 54.212 | ng | | 98 |
| 10) Phenol | 6.60 | 94 | 563240 | 83.578 | ng | # | 73 |
| 11) bis(2-Chloroethyl)ether | 6.69 | 93 | 429721 | 77.506 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.89 | 146 | 485540 | 77.640 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.97 | 146 | 490056 | 77.481 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.12 | 146 | 446076 | 75.973 | ng | | 99 |
| 15) Benzyl Alcohol | 7.10 | 79 | 371574 | 76.630 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.22 | 45 | 644023 | 72.649 | ng | | 70 |
| 17) 2-Methylphenol | 7.20 | 107 | 351709 | 77.659 | ng | # | 85 |
| 18) Hexachloroethane | 7.46 | 117 | 184168 | 79.533 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 7.37 | 70 | 308598 | 76.298 | ng | | 99 |
| 20) 3+4-Methylphenols | 7.36 | 107 | 428917 | 73.268 | ng | # | 87 |
| 22) Acetophenone | 7.37 | 105 | 585331 | 75.415 | ng | | 96 |
| 24) Nitrobenzene | 7.55 | 77 | 462503 | 78.884 | ng | | 95 |
| 25) Isophorone | 7.78 | 82 | 756812 | 78.180 | ng | | 96 |
| 26) 2-Nitrophenol | 7.85 | 139 | 246352 | 88.297 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.88 | 122 | 355455 | 76.843 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.97 | 93 | 499877 | 76.013 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.09 | 162 | 363336 | 77.746 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.17 | 180 | 408030 | 77.947 | ng | | 95 |
| 31) Naphthalene | 8.26 | 128 | 1187506 | 76.493 | ng | | 99 |
| 32) Benzoic acid | 8.05 | 122 | 287619 | 80.449 | ng | | 97 |
| 33) 4-Chloroaniline | 8.30 | 127 | 526003 | 75.285 | ng | | 100 |
| 34) Hexachlorobutadiene | 8.36 | 225 | 230308 | 79.238 | ng | | 98 |
| 35) Caprolactam | 8.72 | 113 | 121528m | 74.609 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.79 | 107 | 388389 | 76.854 | ng | | 97 |
| 37) 2-Methylnaphthalene | 8.95 | 142 | 773714 | 75.327 | ng | | 100 |
| 38) 1-Methylnaphthalene | 9.05 | 142 | 741222 | 74.675 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.12 | 216 | 378079 | 76.443 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 9.09 | 237 | 158340 | 62.609 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.23 | 196 | 240047 | 75.248 | ng | | 93 |
| 44) 2,4,5-Trichlorophenol | 9.27 | 196 | 256836 | 76.167 | ng | | 96 |
| 46) 1,1'-Biphenyl | 9.42 | 154 | 1081490 | 75.342 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.45 | 162 | 801134 | 76.085 | ng | | 99 |
| 48) 2-Nitroaniline | 9.55 | 65 | 257457 | 80.688 | ng | | 92 |
| 49) Acenaphthylene | 9.86 | 152 | 1127533 | 74.140 | ng | | 99 |
| 50) Dimethylphthalate | 9.71 | 163 | 892986 | 76.209 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.79 | 165 | 198324 | 78.575 | ng | | 95 |
| 52) Acenaphthene | 10.03 | 154 | 718612 | 71.426 | ng | | 98 |
| 53) 3-Nitroaniline | 9.96 | 138 | 231571 | 77.151 | ng | | 89 |
| 54) 2,4-Dinitrophenol | 10.07 | 184 | 83043 | 93.647 | ng | | 91 |
| 55) Dibenzofuran | 10.20 | 168 | 1019088 | 72.346 | ng | | 97 |
| 56) 4-Nitrophenol | 10.12 | 139 | 163442 | 73.573 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 10.19 | 165 | 254741 | 79.459 | ng | | 99 |
| 58) Fluorene | 10.55 | 166 | 790724 | 75.425 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.32 | 232 | 203636 | 74.090 | ng | | 95 |
| 60) Diethylphthalate | 10.41 | 149 | 862445 | 75.400 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 10.53 | 204 | 401604 | 72.617 | ng | | 98 |
| 62) 4-Nitroaniline | 10.59 | 138 | 227719 | 76.280 | ng | | 91 |
| 63) Azobenzene | 10.69 | 77 | 849186 | 74.794 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 10.61 | 198 | 130107 | 98.567 | ng | | 88 |
| 66) n-Nitrosodiphenylamine | 10.66 | 169 | 736288 | 77.696 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 11.02 | 248 | 244450 | 78.002 | ng | # | 90 |
| 68) Hexachlorobenzene | 11.10 | 284 | 256229 | 77.057 | ng | | 94 |
| 70) Pentachlorophenol | 11.29 | 266 | 147380 | 76.011 | ng | | 97 |
| 71) Phenanthrene | 11.52 | 178 | 1134462 | 75.043 | ng | | 99 |
| 72) Anthracene | 11.57 | 178 | 1137401 | 75.062 | ng | | 100 |
| 73) Carbazole | 11.72 | 167 | 1104910 | 74.681 | ng | | 99 |
| 74) Di-n-butylphthalate | 12.03 | 149 | 1306368 | 78.181 | ng | | 99 |
| 75) Fluoranthene | 12.70 | 202 | 1124073 | 73.265 | ng | | 99 |
| 78) Pyrene | 12.94 | 202 | 1137999 | 90.645 | ng | | 99 |
| 80) Butylbenzylphthalate | 13.53 | 149 | 481534 | 88.368 | ng | | 100 |
| 81) Benzo(a)anthracene | 14.13 | 228 | 820540 | 79.013 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 14.08 | 252 | 230468 | 63.732 | ng | # | 98 |
| 83) Chrysene | 14.17 | 228 | 764825 | 77.540 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 14.08 | 149 | 574624 | 78.009 | ng | | 97 |
| 85) Di-n-octyl phthalate | 14.70 | 149 | 857343 | 74.852 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 17.25 | 276 | 677594 | 82.807 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.21 | 252 | 621455 | 78.534 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.24 | 252 | 615555m | 79.126 | ng | | |
| 90) Benzo(a)pyrene | 15.60 | 252 | 585340 | 80.388 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.26 | 278 | 555151 | 88.361 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 17.72 | 276 | 572857 | 92.529 | ng | | 98 |

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

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