Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052617\
Data File : BF095455.D
Acq On : 26 May 2017 12:01
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
mohammad
5/30/2017 1:35:26 PM

Quant Time: May 26 17:41:47 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 17:07:53 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.74 | 152 | 129095 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 9.76 | 136 | 519414 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 12.59 | 164 | 233626 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 15.00 | 188 | 412678 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 18.68 | 240 | 331529 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 20.35 | 264 | 261591 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.71 | 112 | 611043 | 78.91 | ng | | -0.03 |
| 7) Phenol-d6 | 7.30 | 99 | 736710 | 79.30 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 8.65 | 82 | 642423 | 77.99 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 13.90 | 330 | 149526 | 78.15 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 11.54 | 172 | 1176379 | 72.48 | ng | | -0.02 |
| 78) Terphenyl-d14 | 17.32 | 244 | 1160282 | 77.09 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.18 | 88 | 135560 | 35.70 | ng | | 94 |
| 3) Pyridine | 2.88 | 79 | 325977 | 37.04 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 2.81 | 42 | 118052 | 32.18 | ng | | 82 |
| 6) Aniline | 7.25 | 93 | 491137 | 41.87 | ng | | 96 |
| 8) 2-Chlorophenol | 7.44 | 128 | 355169 | 40.30 | ng | | 96 |
| 9) Benzaldehyde | 7.07 | 77 | 186212 | 32.82 | ng | | 96 |
| 10) Phenol | 7.31 | 94 | 343873 | 35.12 | ng | | 88 |
| 11) bis(2-Chloroethyl)ether | 7.38 | 93 | 311298 | 38.52 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 7.65 | 146 | 398337 | 39.84 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.77 | 146 | 407335 | 40.18 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.00 | 146 | 372017 | 39.31 | ng | | 96 |
| 15) Benzyl Alcohol | 8.04 | 79 | 263565 | 44.11 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.23 | 45 | 443840 | 38.80 | ng | | 90 |
| 17) 2-Methylphenol | 8.24 | 107 | 295043 | 40.91 | ng | | 96 |
| 18) Hexachloroethane | 8.52 | 117 | 132125 | 38.47 | ng | | 88 |
| 19) n-Nitroso-di-n-propylamine | 8.46 | 70 | 244042 | 38.84 | ng | | 91 |
| 20) 3+4-Methylphenols | 8.51 | 107 | 381022 | 38.88 | ng | # | 59 |
| 22) Acetophenone | 8.42 | 105 | 480518 | 38.56 | ng | # | 83 |
| 24) Nitrobenzene | 8.68 | 77 | 337448 | 39.08 | ng | | 92 |
| 25) Isophorone | 9.08 | 82 | 598626 | 40.70 | ng | | 96 |
| 26) 2-Nitrophenol | 9.19 | 139 | 197342 | 42.36 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.32 | 122 | 307742 | 40.86 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 9.44 | 93 | 406505 | 39.95 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 9.61 | 162 | 276779 | 38.92 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 9.69 | 180 | 299474 | 39.30 | ng | | 98 |
| 31) Naphthalene | 9.80 | 128 | 1002665 | 38.41 | ng | | 100 |
| 32) Benzoic acid | 9.68 | 122 | 170214 | 35.86 | ng | | 88 |
| 33) 4-Chloroaniline | 9.94 | 127 | 409501 | 42.09 | ng | # | 91 |
| 34) Hexachlorobutadiene | 10.01 | 225 | 155276 | 38.62 | ng | | 98 |
| 35) Caprolactam | 10.59 | 113 | 88866m | 41.61 | ng | | |
| 36) 4-Chloro-3-methylphenol | 10.80 | 107 | 311855 | 41.01 | ng | | 89 |
| 37) 2-Methylnaphthalene | 10.92 | 142 | 675148 | 39.41 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 11.20 | 216 | 277498 | 38.62 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 11.17 | 237 | 95609 | 35.31 | ng | | 97 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 11.43 | 196 | 187921 | 39.18 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 11.52 | 196 | 178919 | 34.70 | ng | | 95 |
| 45) 1,1'-Biphenyl | 11.69 | 154 | 762641 | 38.77 | ng | | 98 |
| 46) 2-Chloronaphthalene | 11.71 | 162 | 611148 | 38.48 | ng | | 96 |
| 47) 2-Nitroaniline | 11.93 | 65 | 176531 | 40.61 | ng | # | 80 |
| 48) Acenaphthylene | 12.37 | 152 | 954383 | 38.36 | ng | | 99 |
| 49) Dimethylphthalate | 12.24 | 163 | 720676 | 37.58 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 12.34 | 165 | 153192 | 39.15 | ng | | 95 |
| 51) Acenaphthene | 12.65 | 154 | 570101 | 38.37 | ng | | 99 |
| 52) 3-Nitroaniline | 12.61 | 138 | 174414 | 41.53 | ng | | 94 |
| 53) 2,4-Dinitrophenol | 12.84 | 184 | 69772 | 36.09 | ng | # | 61 |
| 54) Dibenzofuran | 12.94 | 168 | 809471 | 39.37 | ng | | 99 |
| 55) 4-Nitrophenol | 13.04 | 139 | 90661m | 35.94 | ng | | |
| 56) 2,4-Dinitrotoluene | 13.01 | 165 | 211372 | 42.04 | ng | # | 90 |
| 57) Fluorene | 13.49 | 166 | 681554 | 38.12 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 13.18 | 232 | 127724 | 39.36 | ng | # | 95 |
| 59) Diethylphthalate | 13.38 | 149 | 708735 | 38.55 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 13.51 | 204 | 301759 | 38.40 | ng | | 90 |
| 61) 4-Nitroaniline | 13.62 | 138 | 149083 | 38.67 | ng | | 97 |
| 62) Azobenzene | 13.77 | 77 | 593374 | 40.17 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 13.69 | 198 | 111710 | 40.38 | ng | # | 68 |
| 65) n-Nitrosodiphenylamine | 13.72 | 169 | 592445 | 39.56 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 14.30 | 248 | 170557 | 39.12 | ng | | 97 |
| 67) Hexachlorobenzene | 14.39 | 284 | 170960 | 38.26 | ng | # | 88 |
| 68) Atrazine | 14.65 | 200 | 163305 | 38.62 | ng | | 96 |
| 69) Pentachlorophenol | 14.75 | 266 | 67236 | 36.71 | ng | | 96 |
| 70) Phenanthrene | 15.04 | 178 | 900113 | 37.96 | ng | | 98 |
| 71) Anthracene | 15.12 | 178 | 949985 | 39.22 | ng | | 98 |
| 72) Carbazole | 15.41 | 167 | 881607 | 40.01 | ng | | 97 |
| 73) Di-n-butylphthalate | 15.97 | 149 | 1107028 | 40.28 | ng | | 98 |
| 74) Fluoranthene | 16.78 | 202 | 968114 | 39.80 | ng | | 98 |
| 76) Benzidine | 17.01 | 184 | 432331m | 48.19 | ng | | |
| 77) Pyrene | 17.09 | 202 | 999368 | 40.31 | ng | | 98 |
| 79) Butylbenzylphthalate | 17.98 | 149 | 454525 | 39.41 | ng | # | 85 |
| 80) Benzo(a)anthracene | 18.67 | 228 | 752543 | 39.00 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 18.64 | 252 | 262582 | 39.40 | ng | # | 96 |
| 82) Chrysene | 18.71 | 228 | 720882 | 38.64 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 18.72 | 149 | 620344 | 37.75 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 19.49 | 149 | 1042579 | 38.70 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 21.68 | 276 | 491916 | 32.47 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 19.94 | 252 | 644621 | 39.88 | ng | | 96 |
| 88) Benzo(k)fluoranthene | 19.97 | 252 | 624738 | 40.07 | ng | | 96 |
| 89) Benzo(a)pyrene | 20.30 | 252 | 577359 | 38.71 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 21.68 | 278 | 417605 | 33.90 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 22.07 | 276 | 429712 | 35.55 | ng | | 99 |

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

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