Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020717\
Data File : BF092823.D
Acq On : 7 Feb 2017 12:02
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
mohammad
2/8/2017 10:42:41 AM

Quant Time: Feb 07 15:28:48 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 30 14:50:05 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.91 | 152 | 156688 | 20.00 | ng | | -0.06 |
| 21) Naphthalene-d8 | 8.19 | 136 | 639787 | 20.00 | ng | | -0.07 |
| 38) Acenaphthene-d10 | 9.95 | 164 | 374037 | 20.00 | ng | | -0.06 |
| 63) Phenanthrene-d10 | 11.44 | 188 | 605749 | 20.00 | ng | | -0.06 |
| 75) Chrysene-d12 | 14.08 | 240 | 520399 | 20.00 | ng | | -0.07 |
| 86) Perylene-d12 | 15.53 | 264 | 418688 | 20.00 | ng | | -0.08 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.50 | 112 | 721291 | 78.98 | ng | | -0.07 |
| 7) Phenol-d6 | 6.54 | 99 | 963296 | 81.97 | ng | | -0.06 |
| 23) Nitrobenzene-d5 | 7.47 | 82 | 918137 | 79.92 | ng | | -0.07 |
| 41) 2,4,6-Tribromophenol | 10.74 | 330 | 198713 | 73.45 | ng | | -0.07 |
| 44) 2-Fluorobiphenyl | 9.26 | 172 | 1505231 | 72.91 | ng | | -0.07 |
| 78) Terphenyl-d14 | 13.03 | 244 | 1665568 | 75.20 | ng | | -0.06 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.51 | 88 | 190463 | 38.59 | ng | | 86 |
| 3) Pyridine | 3.25 | 79 | 555746 | 44.29 | ng | # | 82 |
| 4) n-Nitrosodimethylamine | 3.22 | 42 | 237546 | 40.32 | ng | | 87 |
| 6) Aniline | 6.57 | 93 | 638399 | 39.83 | ng | # | 69 |
| 8) 2-Chlorophenol | 6.69 | 128 | 428947 | 42.57 | ng | | 98 |
| 9) Benzaldehyde | 6.45 | 77 | 311836 | 37.04 | ng | | 95 |
| 10) Phenol | 6.57 | 94 | 535386 | 38.94 | ng | | 85 |
| 11) bis(2-Chloroethyl)ether | 6.65 | 93 | 465479 | 42.42 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 6.84 | 146 | 467675m | 39.63 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.92 | 146 | 482379 | 40.39 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 7.08 | 146 | 466533 | 40.85 | ng | | 95 |
| 15) Benzyl Alcohol | 7.05 | 79 | 345837 | 39.75 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.18 | 45 | 743830 | 39.01 | ng | | 94 |
| 17) 2-Methylphenol | 7.17 | 107 | 386025 | 44.66 | ng | | 98 |
| 18) Hexachloroethane | 7.41 | 117 | 162347 | 39.82 | ng | # | 85 |
| 19) n-Nitroso-di-n-propylamine | 7.32 | 70 | 285816 | 38.21 | ng | | 94 |
| 20) 3+4-Methylphenols | 7.32 | 107 | 410814 | 39.75 | ng | # | 77 |
| 22) Acetophenone | 7.32 | 105 | 571257 | 39.11 | ng | # | 92 |
| 24) Nitrobenzene | 7.49 | 77 | 463626 | 39.30 | ng | | 97 |
| 25) Isophorone | 7.73 | 82 | 862377 | 40.28 | ng | | 98 |
| 26) 2-Nitrophenol | 7.81 | 139 | 255462 | 45.55 | ng | # | 82 |
| 27) 2,4-Dimethylphenol | 7.85 | 122 | 374421 | 38.02 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.94 | 93 | 529866 | 37.37 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.05 | 162 | 375839 | 40.92 | ng | | 91 |
| 30) 1,2,4-Trichlorobenzene | 8.13 | 180 | 388626 | 39.26 | ng | | 95 |
| 31) Naphthalene | 8.21 | 128 | 1209318 | 37.29 | ng | | 100 |
| 32) Benzoic acid | 7.98 | 122 | 224011 | 41.32 | ng | | 86 |
| 33) 4-Chloroaniline | 8.27 | 127 | 548162 | 43.10 | ng | # | 93 |
| 34) Hexachlorobutadiene | 8.33 | 225 | 198370 | 36.43 | ng | | 99 |
| 35) Caprolactam | 8.65 | 113 | 130992 | 45.34 | ng | # | 63 |
| 36) 4-Chloro-3-methylphenol | 8.75 | 107 | 367056 | 38.33 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.91 | 142 | 857827 | 41.19 | ng | | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.07 | 216 | 376891 | 35.90 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.06 | 237 | 156469 | 33.03 | ng | | 96 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.18 | 196 | 260027 | 37.69 | ng | | 91 |
| 43) 2,4,5-Trichlorophenol | 9.23 | 196 | 294402 | 38.95 | ng | # | 87 |
| 45) 1,1'-Biphenyl | 9.37 | 154 | 959981 | 35.44 | ng | | 96 |
| 46) 2-Chloronaphthalene | 9.39 | 162 | 794056 | 37.48 | ng | | 95 |
| 47) 2-Nitroaniline | 9.49 | 65 | 266565 | 37.42 | ng | | 97 |
| 48) Acenaphthylene | 9.81 | 152 | 1401760 | 38.30 | ng | | 98 |
| 49) Dimethylphthalate | 9.68 | 163 | 985453 | 39.12 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.73 | 165 | 199260 | 36.62 | ng | # | 78 |
| 51) Acenaphthene | 9.98 | 154 | 853619 | 39.01 | ng | | 98 |
| 52) 3-Nitroaniline | 9.90 | 138 | 219030 | 35.18 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 10.02 | 184 | 108917 | 41.76 | ng | | 90 |
| 54) Dibenzofuran | 10.16 | 168 | 1107845 | 37.85 | ng | | 93 |
| 55) 4-Nitrophenol | 10.08 | 139 | 179398 | 40.00 | ng | | 87 |
| 56) 2,4-Dinitrotoluene | 10.14 | 165 | 309855 | 42.78 | ng | # | 75 |
| 57) Fluorene | 10.50 | 166 | 915906 | 40.67 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.27 | 232 | 191993 | 38.07 | ng | | 97 |
| 59) Diethylphthalate | 10.37 | 149 | 955912 | 40.26 | ng | | 95 |
| 60) 4-Chlorophenyl-phenylether | 10.49 | 204 | 393303 | 36.36 | ng | | 89 |
| 61) 4-Nitroaniline | 10.52 | 138 | 237796 | 37.29 | ng | | 92 |
| 62) Azobenzene | 10.65 | 77 | 915071 | 37.31 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.56 | 198 | 159463 | 43.51 | ng | | 84 |
| 65) n-Nitrosodiphenylamine | 10.61 | 169 | 820600 | 42.41 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.98 | 248 | 252764 | 39.94 | ng | | 93 |
| 67) Hexachlorobenzene | 11.05 | 284 | 250617 | 40.07 | ng | | 99 |
| 68) Atrazine | 11.14 | 200 | 265993 | 42.83 | ng | | 98 |
| 69) Pentachlorophenol | 11.24 | 266 | 126461 | 42.85 | ng | | 97 |
| 70) Phenanthrene | 11.46 | 178 | 1236875 | 35.64 | ng | | 99 |
| 71) Anthracene | 11.52 | 178 | 1436551 | 41.22 | ng | | 98 |
| 72) Carbazole | 11.66 | 167 | 1246086 | 37.40 | ng | | 99 |
| 73) Di-n-butylphthalate | 12.00 | 149 | 1532379 | 42.53 | ng | # | 97 |
| 74) Fluoranthene | 12.65 | 202 | 1327914 | 37.10 | ng | | 97 |
| 76) Benzidine | 12.77 | 184 | 790231 | 35.64 | ng | | 96 |
| 77) Pyrene | 12.88 | 202 | 1303151 | 33.46 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.49 | 149 | 652525 | 41.26 | ng | # | 82 |
| 80) Benzo(a)anthracene | 14.07 | 228 | 1144365 | 35.95 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.03 | 252 | 471737 | 41.58 | ng | # | 94 |
| 82) Chrysene | 14.10 | 228 | 958568 | 32.17 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 14.04 | 149 | 834891 | 38.60 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.66 | 149 | 1382283 | 39.25 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.97 | 276 | 856395 | 37.10 | ng | | 96 |
| 87) Benzo(b)fluoranthene | 15.11 | 252 | 1013183 | 36.77 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 15.14 | 252 | 1016624m | 42.73 | ng | | |
| 89) Benzo(a)pyrene | 15.47 | 252 | 947614 | 39.75 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 16.99 | 278 | 733134 | 38.05 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.41 | 276 | 710281 | 36.49 | ng | | 96 |

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

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