Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083611.D
Acq On : 8 Dec 2015 23:20
Operator : UM/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Mmdadoda
12/9/2015 6:13:27 PM

Quant Time: Dec 17 10:26:30 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 17 09:56:43 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 5.70 | 152 | 167627 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.60 | 136 | 659267 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 10.38 | 164 | 321160 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 12.79 | 188 | 597489 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 16.99 | 240 | 496683 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 18.64 | 264 | 384639 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 3.97 | 112 | 890816 | 80.60 | ng | | 0.00 |
| 7) Phenol-d6 | 5.26 | 99 | 1171307 | 79.32 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 6.53 | 82 | 1115542 | 78.96 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 11.68 | 330 | 236261 | 82.57 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.34 | 172 | 1776588 | 77.86 | ng | | 0.00 |
| 78) Terphenyl-d14 | 15.41 | 244 | 1652388 | 78.28 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.81 | 88 | 217178 | 39.77 | ng | | 95 |
| 3) Pyridine | 2.26 | 79 | 567223 | 42.76 | ng | | 100 |
| 4) n-Nitrosodimethylamine | 2.22 | 42 | 293414 | 42.01 | ng | | 95 |
| 6) Aniline | 5.25 | 93 | 773617 | 42.51 | ng | | 89 |
| 8) 2-Chlorophenol | 5.42 | 128 | 491586 | 40.67 | ng | | 92 |
| 9) Benzaldehyde | 5.10 | 77 | 316559 | 39.31 | ng | | 97 |
| 10) Phenol | 5.29 | 94 | 736755 | 41.19 | ng | | 79 |
| 11) bis(2-Chloroethyl)ether | 5.36 | 93 | 543486 | 41.30 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 5.61 | 146 | 535520m | 39.75 | ng | | |
| 13) 1,4-Dichlorobenzene | 5.72 | 146 | 558947 | 40.44 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 5.94 | 146 | 519155 | 40.48 | ng | | 98 |
| 15) Benzyl Alcohol | 5.95 | 79 | 441258 | 42.00 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.12 | 45 | 977515 | 40.17 | ng | # | 61 |
| 17) 2-Methylphenol | 6.14 | 107 | 411025 | 41.80 | ng | | 93 |
| 18) Hexachloroethane | 6.42 | 117 | 195732 | 40.11 | ng | | 99 |
| 19) n-Nitroso-di-n-propylamine | 6.34 | 70 | 413045 | 40.07 | ng | | 95 |
| 20) 3+4-Methylphenols | 6.38 | 107 | 520299 | 40.18 | ng | | 96 |
| 22) Acetophenone | 6.32 | 105 | 747906 | 40.44 | ng | # | 96 |
| 24) Nitrobenzene | 6.57 | 77 | 601577 | 38.52 | ng | | 93 |
| 25) Isophorone | 6.93 | 82 | 1090296 | 39.77 | ng | | 98 |
| 26) 2-Nitrophenol | 7.05 | 139 | 254622 | 41.06 | ng | | 90 |
| 27) 2,4-Dimethylphenol | 7.16 | 122 | 439253 | 40.50 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 7.29 | 93 | 617713 | 40.57 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.45 | 162 | 401513 | 40.70 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 7.53 | 180 | 434598 | 39.88 | ng | | 97 |
| 31) Naphthalene | 7.63 | 128 | 1383302 | 39.62 | ng | | 99 |
| 32) Benzoic acid | 7.49 | 122 | 243276 | 35.81 | ng | | 94 |
| 33) 4-Chloroaniline | 7.77 | 127 | 522215 | 41.01 | ng | | 96 |
| 34) Hexachlorobutadiene | 7.84 | 225 | 255073 | 40.07 | ng | | 97 |
| 35) Caprolactam | 8.38 | 113 | 123426 | 41.69 | ng | | 93 |
| 36) 4-Chloro-3-methylphenol | 8.61 | 107 | 447020 | 40.34 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.74 | 142 | 867982 | 39.57 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.00 | 216 | 415984 | 39.45 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 8.98 | 237 | 65223 | 43.38 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.23 | 196 | 251418 | 40.07 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.31 | 196 | 259898 | 41.84 | ng | # | 91 |
| 45) 1,1'-Biphenyl | 9.49 | 154 | 1105400 | 39.60 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.50 | 162 | 842691 | 39.98 | ng | | 94 |
| 47) 2-Nitroaniline | 9.72 | 65 | 316478 | 41.64 | ng | | 98 |
| 48) Acenaphthylene | 10.16 | 152 | 1378213 | 39.66 | ng | | 100 |
| 49) Dimethylphthalate | 10.04 | 163 | 1014423 | 39.68 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 10.13 | 165 | 219673 | 41.62 | ng | | 92 |
| 51) Acenaphthene | 10.44 | 154 | 797634 | 40.09 | ng | | 98 |
| 52) 3-Nitroaniline | 10.41 | 138 | 234190 | 41.75 | ng | | 83 |
| 53) 2,4-Dinitrophenol | 10.62 | 184 | 97601 | 40.35 | ng | | 96 |
| 54) Dibenzofuran | 10.73 | 168 | 1093479 | 39.63 | ng | | 98 |
| 55) 4-Nitrophenol | 10.82 | 139 | 104724 | 42.40 | ng | | 83 |
| 56) 2,4-Dinitrotoluene | 10.80 | 165 | 297625 | 42.52 | ng | # | 77 |
| 57) Fluorene | 11.28 | 166 | 951736 | 39.53 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.97 | 232 | 206373 | 41.37 | ng | # | 100 |
| 59) Diethylphthalate | 11.18 | 149 | 986680 | 39.70 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 11.31 | 204 | 465372 | 40.60 | ng | | 91 |
| 61) 4-Nitroaniline | 11.40 | 138 | 218657 | 42.90 | ng | | 84 |
| 62) Azobenzene | 11.56 | 77 | 1111430 | 40.63 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 11.46 | 198 | 166124 | 41.10 | ng | | 89 |
| 65) n-Nitrosodiphenylamine | 11.52 | 169 | 784135 | 39.77 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 12.09 | 248 | 261552 | 39.25 | ng | | 95 |
| 67) Hexachlorobenzene | 12.17 | 284 | 284825 | 40.29 | ng | | 94 |
| 68) Atrazine | 12.43 | 200 | 239159 | 40.76 | ng | | 98 |
| 69) Pentachlorophenol | 12.53 | 266 | 79864 | 45.34 | ng | | 97 |
| 70) Phenanthrene | 12.82 | 178 | 1372813 | 39.99 | ng | | 99 |
| 71) Anthracene | 12.91 | 178 | 1423395 | 40.03 | ng | | 100 |
| 72) Carbazole | 13.21 | 167 | 1240155 | 40.67 | ng | | 99 |
| 73) Di-n-butylphthalate | 13.84 | 149 | 1585638 | 41.34 | ng | | 99 |
| 74) Fluoranthene | 14.75 | 202 | 1427598 | 40.65 | ng | | 99 |
| 76) Benzidine | 15.03 | 184 | 687576 | 44.51 | ng | | 99 |
| 77) Pyrene | 15.11 | 202 | 1438592 | 40.23 | ng | | 98 |
| 79) Butylbenzylphthalate | 16.24 | 149 | 651215 | 41.03 | ng | | 89 |
| 80) Benzo(a)anthracene | 16.98 | 228 | 1160946 | 39.93 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 16.97 | 252 | 402835 | 41.02 | ng | | 98 |
| 82) Chrysene | 17.03 | 228 | 1165305 | 39.99 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 17.09 | 149 | 908677 | 41.25 | ng | | 99 |
| 84) Di-n-octyl phthalate | 17.86 | 149 | 1411619 | 41.94 | ng | # | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 19.86 | 276 | 763619 | 38.82 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 18.25 | 252 | 855755m | 39.07 | ng | | |
| 88) Benzo(k)fluoranthene | 18.28 | 252 | 998722m | 41.38 | ng | | |
| 89) Benzo(a)pyrene | 18.58 | 252 | 840175 | 39.31 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 19.86 | 278 | 639135 | 39.11 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 20.23 | 276 | 599427 | 37.62 | ng | | 96 |

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

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