Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080116\
Data File : BF089515.D
Acq On : 1 Aug 2016 17:26
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
sohil
8/2/2016 5:05:47 PM

Quant Time: Aug 02 02:34:33 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 02 02:21:57 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.48 | 152 | 46762 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.77 | 136 | 202351 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.51 | 164 | 88268 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 10.98 | 188 | 175790 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.60 | 240 | 121986 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 14.93 | 264 | 88724 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.04 | 112 | 236881 | 80.88 | ng | | 0.00 |
| 7) Phenol-d6 | 6.15 | 99 | 305505 | 78.94 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.06 | 82 | 297365 | 86.74 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.30 | 330 | 58536 | 80.07 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 8.84 | 172 | 486485 | 80.88 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.56 | 244 | 424610 | 81.47 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.86 | 88 | 54076 | 40.83 | ng | | 99 |
| 3) Pyridine | 2.44 | 79 | 127156 | 44.38 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 2.42 | 42 | 51896 | 44.64 | ng | | 98 |
| 6) Aniline | 6.15 | 93 | 201498 | 48.22 | ng | | 92 |
| 8) 2-Chlorophenol | 6.26 | 128 | 134260 | 40.53 | ng | | 89 |
| 9) Benzaldehyde | 6.02 | 77 | 59188 | 31.32 | ng | | 99 |
| 10) Phenol | 6.16 | 94 | 186977 | 43.78 | ng | | 89 |
| 11) bis(2-Chloroethyl)ether | 6.23 | 93 | 132736 | 36.58 | ng | | 92 |
| 12) 1,3-Dichlorobenzene | 6.42 | 146 | 139867m | 40.36 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.50 | 146 | 148703 | 38.89 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 6.65 | 146 | 151254 | 42.22 | ng | | 95 |
| 15) Benzyl Alcohol | 6.64 | 79 | 107989 | 44.96 | ng | | 91 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.78 | 45 | 149117 | 37.67 | ng | | 97 |
| 17) 2-Methylphenol | 6.76 | 107 | 99235 | 38.76 | ng | | 96 |
| 18) Hexachloroethane | 6.98 | 117 | 55917 | 38.14 | ng | # | 90 |
| 19) n-Nitroso-di-n-propylamine | 6.91 | 70 | 98327 | 42.13 | ng | # | 86 |
| 20) 3+4-Methylphenols | 6.92 | 107 | 138590 | 42.15 | ng | | 94 |
| 22) Acetophenone | 6.91 | 105 | 199914 | 41.50 | ng | # | 96 |
| 24) Nitrobenzene | 7.08 | 77 | 137837 | 35.33 | ng | | 94 |
| 25) Isophorone | 7.32 | 82 | 257109 | 37.23 | ng | | 99 |
| 26) 2-Nitrophenol | 7.39 | 139 | 71298 | 40.87 | ng | # | 87 |
| 27) 2,4-Dimethylphenol | 7.45 | 122 | 112700 | 40.55 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.54 | 93 | 174137 | 45.55 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.64 | 162 | 109928 | 43.41 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.71 | 180 | 114448 | 39.61 | ng | | 96 |
| 31) Naphthalene | 7.79 | 128 | 410738 | 40.99 | ng | | 100 |
| 32) Benzoic acid | 7.62 | 122 | 80392 | 41.52 | ng | | 94 |
| 33) 4-Chloroaniline | 7.86 | 127 | 165459 | 43.37 | ng | | 98 |
| 34) Hexachlorobutadiene | 7.91 | 225 | 59307 | 35.84 | ng | | 98 |
| 35) Caprolactam | 8.24 | 113 | 32436 | 42.44 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 8.35 | 107 | 129060 | 42.88 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.48 | 142 | 249651 | 41.35 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.65 | 216 | 139182 | 45.06 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.64 | 237 | 24015 | 33.15 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.76 | 196 | 69473 | 47.31 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 8.81 | 196 | 76548 | 41.15 | ng | # | 87 |
| 45) 1,1'-Biphenyl | 8.95 | 154 | 341087 | 45.38 | ng | | 97 |
| 46) 2-Chloronaphthalene | 8.97 | 162 | 246347 | 43.65 | ng | | 92 |
| 47) 2-Nitroaniline | 9.07 | 65 | 82368 | 49.28 | ng | # | 76 |
| 48) Acenaphthylene | 9.37 | 152 | 366841 | 41.26 | ng | | 99 |
| 49) Dimethylphthalate | 9.26 | 163 | 252963 | 37.66 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.32 | 165 | 60641 | 43.93 | ng | # | 81 |
| 51) Acenaphthene | 9.54 | 154 | 203854 | 39.27 | ng | | 99 |
| 52) 3-Nitroaniline | 9.48 | 138 | 72072 | 49.48 | ng | # | 70 |
| 53) 2,4-Dinitrophenol | 9.61 | 184 | 26551 | 51.79 | ng | | 91 |
| 54) Dibenzofuran | 9.71 | 168 | 295247 | 41.74 | ng | | 95 |
| 55) 4-Nitrophenol | 9.68 | 139 | 31387m | 47.01 | ng | | |
| 56) 2,4-Dinitrotoluene | 9.72 | 165 | 81775 | 45.00 | ng | # | 79 |
| 57) Fluorene | 10.06 | 166 | 255117 | 41.31 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.85 | 232 | 55272 | 44.50 | ng | | 97 |
| 59) Diethylphthalate | 9.95 | 149 | 280152 | 41.14 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.06 | 204 | 119958 | 42.35 | ng | # | 89 |
| 61) 4-Nitroaniline | 10.10 | 138 | 71743 | 47.78 | ng | | 93 |
| 62) Azobenzene | 10.22 | 77 | 300032 | 42.78 | ng | | 90 |
| 64) 4,6-Dinitro-2-methylphenol | 10.14 | 198 | 43101 | 41.29 | ng | | 100 |
| 65) n-Nitrosodiphenylamine | 10.18 | 169 | 240353 | 43.82 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.54 | 248 | 64183 | 38.24 | ng | # | 77 |
| 67) Hexachlorobenzene | 10.60 | 284 | 74400 | 43.26 | ng | # | 72 |
| 68) Atrazine | 10.71 | 200 | 62933 | 37.35 | ng | | 96 |
| 69) Pentachlorophenol | 10.80 | 266 | 30713 | 40.13 | ng | | 97 |
| 70) Phenanthrene | 11.01 | 178 | 363067 | 40.05 | ng | | 100 |
| 71) Anthracene | 11.06 | 178 | 408766 | 40.55 | ng | | 99 |
| 72) Carbazole | 11.22 | 167 | 354137 | 41.73 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.57 | 149 | 440942 | 38.73 | ng | | 99 |
| 74) Fluoranthene | 12.18 | 202 | 380964 | 39.95 | ng | | 96 |
| 76) Benzidine | 12.32 | 184 | 172648 | 38.30 | ng | | 98 |
| 77) Pyrene | 12.41 | 202 | 414821 | 44.87 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.04 | 149 | 163848 | 38.98 | ng | | 86 |
| 80) Benzo(a)anthracene | 13.59 | 228 | 274346 | 39.85 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.57 | 252 | 96484 | 38.95 | ng | # | 97 |
| 82) Chrysene | 13.63 | 228 | 280360 | 38.26 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.61 | 149 | 229487 | 37.77 | ng | # | 96 |
| 84) Di-n-octyl phthalate | 14.22 | 149 | 355789 | 37.53 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 16.09 | 276 | 197106 | 37.83 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.58 | 252 | 196343m | 35.63 | ng | | |
| 88) Benzo(k)fluoranthene | 14.62 | 252 | 228379m | 45.08 | ng | | |
| 89) Benzo(a)pyrene | 14.88 | 252 | 198079 | 40.07 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 16.10 | 278 | 168049 | 43.16 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 16.43 | 276 | 174827 | 45.68 | ng | | 100 |

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

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