Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF073116\
Data File : BF089465.D
Acq On : 31 Jul 2016 10:53
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
sohil
8/1/2016 7:18:06 PM

Quant Time: Aug 01 12:37:30 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 04:11:30 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.49 | 152 | 49134 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 7.78 | 136 | 210379 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.53 | 164 | 100190 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 10.99 | 188 | 195292 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.61 | 240 | 134961 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 14.95 | 264 | 110458 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.05 | 112 | 248285 | 80.69 | ng | | -0.01 |
| 7) Phenol-d6 | 6.16 | 99 | 323573 | 79.57 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.07 | 82 | 313228 | 87.88 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.32 | 330 | 67609 | 81.48 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 8.87 | 172 | 575073 | 84.24 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.58 | 244 | 523902 | 90.85 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 1.87 | 88 | 57831 | 41.62 | ng | | 97 |
| 3) Pyridine | 2.46 | 79 | 141753 | 47.08 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 2.43 | 42 | 49657 | 41.34 | ng | | 97 |
| 6) Aniline | 6.16 | 93 | 207439 | 47.24 | ng | | 96 |
| 8) 2-Chlorophenol | 6.27 | 128 | 139102 | 39.96 | ng | | 86 |
| 9) Benzaldehyde | 6.03 | 77 | 70317m | 35.41 | ng | | |
| 10) Phenol | 6.17 | 94 | 196862 | 43.87 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 6.24 | 93 | 147530 | 38.69 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 6.43 | 146 | 142069m | 39.02 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.51 | 146 | 158729 | 39.50 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 6.66 | 146 | 154375 | 41.01 | ng | | 95 |
| 15) Benzyl Alcohol | 6.66 | 79 | 108486 | 42.99 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 6.79 | 45 | 165538 | 39.80 | ng | | 99 |
| 17) 2-Methylphenol | 6.79 | 107 | 100887 | 37.50 | ng | # | 90 |
| 18) Hexachloroethane | 7.00 | 117 | 61886 | 40.17 | ng | # | 82 |
| 19) n-Nitroso-di-n-propylamine | 6.94 | 70 | 106572 | 43.46 | ng | | 99 |
| 20) 3+4-Methylphenols | 6.95 | 107 | 141792 | 41.04 | ng | # | 85 |
| 22) Acetophenone | 6.92 | 105 | 216866 | 43.30 | ng | # | 98 |
| 24) Nitrobenzene | 7.10 | 77 | 148185 | 36.53 | ng | | 93 |
| 25) Isophorone | 7.34 | 82 | 285084 | 39.71 | ng | | 99 |
| 26) 2-Nitrophenol | 7.40 | 139 | 73930 | 40.76 | ng | # | 79 |
| 27) 2,4-Dimethylphenol | 7.46 | 122 | 118426 | 40.99 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 7.55 | 93 | 180123 | 45.32 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 7.66 | 162 | 118556 | 45.03 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 7.72 | 180 | 122155 | 40.67 | ng | # | 95 |
| 31) Naphthalene | 7.80 | 128 | 432881 | 41.55 | ng | | 100 |
| 32) Benzoic acid | 7.63 | 122 | 86243 | 42.84 | ng | | 91 |
| 33) 4-Chloroaniline | 7.87 | 127 | 170409 | 42.97 | ng | | 98 |
| 34) Hexachlorobutadiene | 7.93 | 225 | 67941 | 39.49 | ng | | 97 |
| 35) Caprolactam | 8.25 | 113 | 34566 | 43.50 | ng | | 93 |
| 36) 4-Chloro-3-methylphenol | 8.36 | 107 | 137307 | 43.88 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.49 | 142 | 256212 | 40.81 | ng | | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.66 | 216 | 143702 | 40.99 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 8.65 | 237 | 32680 | 37.97 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 8.79 | 196 | 71952 | 43.16 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 8.83 | 196 | 86205 | 40.83 | ng | | 100 |
| 45) 1,1'-Biphenyl | 8.96 | 154 | 353314 | 41.42 | ng | | 98 |
| 46) 2-Chloronaphthalene | 8.98 | 162 | 275689 | 43.03 | ng | | 96 |
| 47) 2-Nitroaniline | 9.08 | 65 | 88141 | 46.46 | ng | # | 68 |
| 48) Acenaphthylene | 9.38 | 152 | 397074 | 39.35 | ng | | 99 |
| 49) Dimethylphthalate | 9.28 | 163 | 305818 | 40.11 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.34 | 165 | 68004 | 43.41 | ng | | 97 |
| 51) Acenaphthene | 9.55 | 154 | 232509 | 39.46 | ng | | 99 |
| 52) 3-Nitroaniline | 9.51 | 138 | 77559 | 46.91 | ng | | 97 |
| 53) 2,4-Dinitrophenol | 9.62 | 184 | 20710 | 40.10 | ng | | 91 |
| 54) Dibenzofuran | 9.74 | 168 | 321196 | 40.00 | ng | | 95 |
| 55) 4-Nitrophenol | 9.69 | 139 | 31669m | 42.47 | ng | | |
| 56) 2,4-Dinitrotoluene | 9.74 | 165 | 87244 | 42.30 | ng | | 92 |
| 57) Fluorene | 10.07 | 166 | 264165 | 37.69 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 9.86 | 232 | 64819 | 45.98 | ng | | 97 |
| 59) Diethylphthalate | 9.96 | 149 | 291288 | 37.68 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.07 | 204 | 126059 | 39.21 | ng | # | 81 |
| 61) 4-Nitroaniline | 10.11 | 138 | 75635 | 44.38 | ng | | 98 |
| 62) Azobenzene | 10.23 | 77 | 329253 | 41.36 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 10.15 | 198 | 48095 | 41.45 | ng | | 93 |
| 65) n-Nitrosodiphenylamine | 10.19 | 169 | 255591 | 41.94 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.56 | 248 | 73298 | 39.31 | ng | # | 90 |
| 67) Hexachlorobenzene | 10.62 | 284 | 80407 | 42.08 | ng | # | 80 |
| 68) Atrazine | 10.73 | 200 | 80902 | 43.22 | ng | | 98 |
| 69) Pentachlorophenol | 10.82 | 266 | 34793 | 40.80 | ng | | 99 |
| 70) Phenanthrene | 11.02 | 178 | 385748 | 38.30 | ng | | 99 |
| 71) Anthracene | 11.07 | 178 | 456959 | 40.81 | ng | | 99 |
| 72) Carbazole | 11.23 | 167 | 386954 | 41.05 | ng | | 98 |
| 73) Di-n-butylphthalate | 11.58 | 149 | 484155 | 38.28 | ng | | 99 |
| 74) Fluoranthene | 12.19 | 202 | 412538 | 38.94 | ng | | 95 |
| 76) Benzidine | 12.33 | 184 | 180135 | 36.12 | ng | | 98 |
| 77) Pyrene | 12.42 | 202 | 445822 | 43.59 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.06 | 149 | 203964 | 43.86 | ng | # | 82 |
| 80) Benzo(a)anthracene | 13.60 | 228 | 323920 | 42.53 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 13.58 | 252 | 118610 | 43.28 | ng | # | 97 |
| 82) Chrysene | 13.65 | 228 | 347107 | 42.81 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.62 | 149 | 286848 | 42.67 | ng | # | 97 |
| 84) Di-n-octyl phthalate | 14.23 | 149 | 465556 | 44.38 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 16.11 | 276 | 216885 | 37.63 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 14.61 | 252 | 325230m | 47.41 | ng | | |
| 88) Benzo(k)fluoranthene | 14.63 | 252 | 227890m | 36.13 | ng | | |
| 89) Benzo(a)pyrene | 14.89 | 252 | 242894 | 39.47 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 16.13 | 278 | 191093 | 39.42 | ng | | 96 |
| 91) Benzo(g,h,i)perylene | 16.46 | 276 | 187382 | 39.32 | ng | | 99 |

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

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