Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG010515\
Data File : BG015838.D
Acq On : 5 Jan 2015 12:05
Operator : TP/IZ
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**LabSampleId :**
SSTDICC2.5

**Manual Integrations APPROVED**
TEJASKUMAR
1/6/2015 6:24:45 PM

Quant Time: Jan 06 05:09:51 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG010515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 06 03:51:36 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.72 | 152 | 24976 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.51 | 136 | 88062 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.37 | 164 | 64898 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.11 | 188 | 168268 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.29 | 240 | 255814 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 23.56 | 264 | 246952 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.31 | 112 | 6538 | 2.25 | ng | | -0.02 |
| 7) Phenol-d6 | 6.90 | 99 | 9740 | 2.41 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 8.88 | 82 | 9833 | 2.19 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.86 | 330 | 5174 | 2.10 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 12.98 | 172 | 22492 | 2.48 | ng | | 0.00 |
| 78) Terphenyl-d14 | 19.74 | 244 | 56712 | 2.48 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.25 | 88 | 1942 | 2.92 | ng | # | 78 |
| 3) Pyridine | 3.64 | 79 | 4233 | 2.32 | ng | # | 73 |
| 4) n-Nitrosodimethylamine | 3.57 | 42 | 1470 | 1.87 | ng | # | 47 |
| 6) Aniline | 7.05 | 93 | 5911 | 2.16 | ng | | 98 |
| 8) 2-Chlorophenol | 7.28 | 128 | 3766 | 2.52 | ng | # | 74 |
| 9) Benzaldehyde | 6.87 | 77 | 3536 | 2.60 | ng | | 94 |
| 10) Phenol | 6.92 | 94 | 5675 | 2.58 | ng | # | 70 |
| 11) bis(2-Chloroethyl)ether | 7.15 | 93 | 4085 | 2.52 | ng | | 84 |
| 12) 1,3-Dichlorobenzene | 7.60 | 146 | 4218m | 2.35 | ng | | |
| 13) 1,4-Dichlorobenzene | 7.76 | 146 | 4223 | 2.31 | ng | # | 81 |
| 14) 1,2-Dichlorobenzene | 8.07 | 146 | 4427 | 2.55 | ng | # | 89 |
| 15) Benzyl Alcohol | 7.96 | 79 | 4062 | 2.06 | ng | | 90 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.25 | 45 | 2402 | 2.32 | ng | | 72 |
| 17) 2-Methylphenol | 8.17 | 107 | 3594 | 2.39 | ng | | 87 |
| 18) Hexachloroethane | 8.79 | 117 | 1949 | 2.31 | ng | # | 60 |
| 19) n-Nitroso-di-n-propylamine | 8.52 | 70 | 3702 | 2.35 | ng | # | 74 |
| 20) 3+4-Methylphenols | 8.49 | 107 | 4365 | 2.18 | ng | # | 84 |
| 22) Acetophenone | 8.54 | 105 | 5977 | 2.32 | ng | # | 87 |
| 24) Nitrobenzene | 8.91 | 77 | 5194 | 2.30 | ng | # | 77 |
| 25) Isophorone | 9.44 | 82 | 8667 | 2.18 | ng | | 96 |
| 26) 2-Nitrophenol | 9.62 | 139 | 2012 | 2.32 | ng | # | 82 |
| 27) 2,4-Dimethylphenol | 9.69 | 122 | 3305 | 2.28 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 9.93 | 93 | 4450 | 2.27 | ng | # | 86 |
| 29) 2,4-Dichlorophenol | 10.16 | 162 | 3071 | 2.10 | ng | | 85 |
| 30) 1,2,4-Trichlorobenzene | 10.38 | 180 | 4263 | 2.22 | ng | | 89 |
| 31) Naphthalene | 10.56 | 128 | 11145 | 2.39 | ng | # | 90 |
| 33) 4-Chloroaniline | 10.68 | 127 | 4599 | 2.42 | ng | # | 92 |
| 34) Hexachlorobutadiene | 10.85 | 225 | 4494 | 2.52 | ng | # | 81 |
| 35) Caprolactam | 11.43 | 113 | 1351 | 2.10 | ng | # | 32 |
| 36) 4-Chloro-3-methylphenol | 11.80 | 107 | 4001 | 2.10 | ng | # | 70 |
| 37) 2-Methylnaphthalene | 12.17 | 142 | 8095 | 2.32 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.55 | 216 | 6301 | 2.61 | ng | # | 95 |
| 40) Hexachlorocyclopentadiene | 12.53 | 237 | 2246 | 1.40 | ng | | 91 |
| 42) 2,4,6-Trichlorophenol | 12.79 | 196 | 2890 | 1.95 | ng | | 91 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 12.87 | 196 | 3248 | 2.00 | ng | # | 89 |
| 45) 1,1'-Biphenyl | 13.20 | 154 | 11768 | 2.54 | ng | | 86 |
| 46) 2-Chloronaphthalene | 13.24 | 162 | 9457 | 2.56 | ng | # | 90 |
| 47) 2-Nitroaniline | 13.44 | 65 | 2551 | 2.11 | ng | # | 76 |
| 48) Acenaphthylene | 14.08 | 152 | 14949 | 2.37 | ng | # | 93 |
| 49) Dimethylphthalate | 13.82 | 163 | 11865 | 2.48 | ng | | 97 |
| 50) 2,6-Dinitrotoluene | 13.94 | 165 | 1977 | 1.91 | ng | # | 77 |
| 51) Acenaphthene | 14.43 | 154 | 8571 | 2.31 | ng | # | 80 |
| 52) 3-Nitroaniline | 14.28 | 138 | 2333 | 2.38 | ng | # | 76 |
| 54) Dibenzofuran | 14.77 | 168 | 14877 | 2.47 | ng | | 97 |
| 55) 4-Nitrophenol | 14.59 | 139 | 1671 | 2.07 | ng | # | 33 |
| 56) 2,4-Dinitrotoluene | 14.73 | 165 | 2783 | 1.87 | ng | # | 90 |
| 57) Fluorene | 15.41 | 166 | 11362 | 2.32 | ng | # | 90 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.99 | 232 | 3913 | 2.14 | ng | # | 97 |
| 59) Diethylphthalate | 15.19 | 149 | 13010 | 2.46 | ng | # | 86 |
| 60) 4-Chlorophenyl-phenylether | 15.41 | 204 | 7118 | 2.22 | ng | | 94 |
| 61) 4-Nitroaniline | 15.43 | 138 | 2631 | 2.28 | ng | # | 60 |
| 62) Azobenzene | 15.70 | 77 | 12892 | 2.26 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 15.51 | 198 | 1077 | 0.93 | ng | # | 60 |
| 65) n-Nitrosodiphenylamine | 15.63 | 169 | 10953 | 2.26 | ng | | 92 |
| 66) 4-Bromophenyl-phenylether | 16.30 | 248 | 4805 | 2.08 | ng | | 95 |
| 67) Hexachlorobenzene | 16.42 | 284 | 6525 | 2.50 | ng | # | 88 |
| 68) Atrazine | 16.57 | 200 | 4997 | 2.31 | ng | | 82 |
| 69) Pentachlorophenol | 16.77 | 266 | 1709 | 1.11 | ng | # | 50 |
| 70) Phenanthrene | 17.16 | 178 | 20883 | 2.33 | ng | # | 90 |
| 71) Anthracene | 17.24 | 178 | 19844 | 2.23 | ng | | 93 |
| 72) Carbazole | 17.51 | 167 | 18996 | 2.23 | ng | | 94 |
| 73) Di-n-butylphthalate | 18.08 | 149 | 21629 | 2.15 | ng | # | 92 |
| 74) Fluoranthene | 19.17 | 202 | 31211 | 2.30 | ng | | 95 |
| 76) Benzidine | 19.35 | 184 | 13906 | 2.35 | ng | | 98 |
| 77) Pyrene | 19.54 | 202 | 32688 | 2.39 | ng | | 95 |
| 79) Butylbenzylphthalate | 20.43 | 149 | 12491 | 2.44 | ng | | 99 |
| 80) Benzo(a)anthracene | 21.28 | 228 | 35328 | 2.33 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.22 | 252 | 12786 | 2.29 | ng | # | 93 |
| 82) Chrysene | 21.33 | 228 | 34500 | 2.47 | ng | | 93 |
| 83) Bis(2-ethylhexyl)phthalate | 21.21 | 149 | 17766 | 2.38 | ng | | 94 |
| 84) Di-n-octyl phthalate | 22.09 | 149 | 27433 | 2.26 | ng | # | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 25.87 | 276 | 37614 | 2.28 | ng | # | 62 |
| 87) Benzo(b)fluoranthene | 22.87 | 252 | 35523m | 2.30 | ng | | |
| 88) Benzo(k)fluoranthene | 22.92 | 252 | 33965m | 2.29 | ng | | |
| 89) Benzo(a)pyrene | 23.45 | 252 | 31529 | 2.27 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 25.88 | 278 | 30978 | 2.27 | ng | | 93 |
| 91) Benzo(g,h,i)perylene | 26.57 | 276 | 31709 | 2.34 | ng | # | 94 |

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

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