Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080715\
Data File : BF080918.D
Acq On : 7 Aug 2015 10:42
Operator : TP/UM
Sample : SSTDICC060
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC060

**Manual Integrations APPROVED**
MMDadoda
8/10/2015 7:17:15 PM

Quant Time: Aug 08 00:23:42 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 07 23:54:48 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.81 | 152 | 56489 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.10 | 136 | 236974 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.85 | 164 | 107663 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.33 | 188 | 227400 | 20.00 | ng | | 0.01 |
| 75) Chrysene-d12 | 13.96 | 240 | 191001 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.36 | 264 | 163985 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.39 | 112 | 380211 | 109.97 | ng | | 0.01 |
| 7) Phenol-d6 | 6.44 | 99 | 531037 | 112.09 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.38 | 82 | 509088 | 101.62 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.64 | 330 | 124137 | 104.95 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.17 | 172 | 787385 | 102.96 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.91 | 244 | 967214 | 104.60 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.33 | 88 | 92056 | 56.14 | ng | | 100 |
| 3) Pyridine | 3.04 | 79 | 272889 | 58.28 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.00 | 42 | 144516 | 60.88 | ng | | 93 |
| 6) Aniline | 6.48 | 93 | 392689 | 56.42 | ng | | 97 |
| 8) 2-Chlorophenol | 6.59 | 128 | 212685 | 53.16 | ng | | 85 |
| 9) Benzaldehyde | 6.35 | 77 | 165994 | 51.71 | ng | | 98 |
| 10) Phenol | 6.45 | 94 | 294722 | 52.43 | ng | | 81 |
| 11) bis(2-Chloroethyl)ether | 6.56 | 93 | 242301 | 57.73 | ng | | 88 |
| 12) 1,3-Dichlorobenzene | 6.75 | 146 | 239783m | 56.48 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.83 | 146 | 258107 | 58.50 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 6.98 | 146 | 201408 | 50.50 | ng | | 96 |
| 15) Benzyl Alcohol | 6.96 | 79 | 208148 | 53.69 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.09 | 45 | 457433 | 54.17 | ng | | 99 |
| 17) 2-Methylphenol | 7.07 | 107 | 184096 | 53.91 | ng | | 93 |
| 18) Hexachloroethane | 7.32 | 117 | 94081 | 55.66 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 7.24 | 70 | 209230 | 60.42 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.23 | 107 | 244909 | 57.09 | ng | | 96 |
| 22) Acetophenone | 7.23 | 105 | 321672 | 55.40 | ng | # | 91 |
| 24) Nitrobenzene | 7.40 | 77 | 308742 | 59.85 | ng | | 92 |
| 25) Isophorone | 7.64 | 82 | 524752 | 54.47 | ng | | 94 |
| 26) 2-Nitrophenol | 7.71 | 139 | 113738 | 52.40 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 7.76 | 122 | 216033 | 53.16 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 7.86 | 93 | 322167 | 55.70 | ng | # | 96 |
| 29) 2,4-Dichlorophenol | 7.96 | 162 | 185327 | 55.50 | ng | | 89 |
| 30) 1,2,4-Trichlorobenzene | 8.04 | 180 | 204019 | 55.90 | ng | | 98 |
| 31) Naphthalene | 8.12 | 128 | 715201 | 54.75 | ng | | 98 |
| 32) Benzoic acid | 7.89 | 122 | 150211 | 61.46 | ng | | 92 |
| 33) 4-Chloroaniline | 8.17 | 127 | 261485 | 49.26 | ng | | 96 |
| 34) Hexachlorobutadiene | 8.24 | 225 | 112229 | 51.68 | ng | | 96 |
| 35) Caprolactam | 8.56 | 113 | 67919 | 58.23 | ng | # | 72 |
| 36) 4-Chloro-3-methylphenol | 8.66 | 107 | 240781 | 59.09 | ng | | 90 |
| 37) 2-Methylnaphthalene | 8.81 | 142 | 406655 | 48.91 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.98 | 216 | 201158 | 60.61 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 8.97 | 237 | 119425 | 65.94 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.09 | 196 | 138190 | 55.85 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 9.13 | 196 | 145799 | 61.48 | ng | # | 85 |
| 45) 1,1'-Biphenyl | 9.28 | 154 | 521308 | 56.42 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.30 | 162 | 398827 | 55.36 | ng | | 95 |
| 47) 2-Nitroaniline | 9.39 | 65 | 156913 | 54.32 | ng | | 93 |
| 48) Acenaphthylene | 9.71 | 152 | 653460 | 52.18 | ng | | 99 |
| 49) Dimethylphthalate | 9.58 | 163 | 498466 | 55.74 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.64 | 165 | 110222 | 59.66 | ng | # | 84 |
| 51) Acenaphthene | 9.88 | 154 | 406286 | 52.97 | ng | | 99 |
| 52) 3-Nitroaniline | 9.81 | 138 | 147984 | 64.97 | ng | # | 77 |
| 53) 2,4-Dinitrophenol | 9.90 | 184 | 61949 | 63.51 | ng | # | 68 |
| 54) Dibenzofuran | 10.05 | 168 | 539826 | 52.05 | ng | | 96 |
| 55) 4-Nitrophenol | 9.96 | 139 | 92450 | 54.22 | ng | # | 56 |
| 56) 2,4-Dinitrotoluene | 10.04 | 165 | 140405 | 56.79 | ng | | 91 |
| 57) Fluorene | 10.40 | 166 | 411983 | 51.35 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.18 | 232 | 111237 | 57.11 | ng | | 93 |
| 59) Diethylphthalate | 10.28 | 149 | 573997 | 61.66 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 10.40 | 204 | 219278 | 56.09 | ng | # | 78 |
| 61) 4-Nitroaniline | 10.42 | 138 | 142248 | 60.69 | ng | | 99 |
| 62) Azobenzene | 10.56 | 77 | 613242 | 58.91 | ng | | 86 |
| 64) 4,6-Dinitro-2-methylphenol | 10.45 | 198 | 93849 | 66.59 | ng | # | 74 |
| 65) n-Nitrosodiphenylamine | 10.51 | 169 | 393886 | 49.85 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.88 | 248 | 125163 | 51.97 | ng | # | 89 |
| 67) Hexachlorobenzene | 10.94 | 284 | 153030 | 57.15 | ng | # | 82 |
| 68) Atrazine | 11.04 | 200 | 130477 | 56.33 | ng | | 97 |
| 69) Pentachlorophenol | 11.14 | 266 | 92331 | 59.30 | ng | | 98 |
| 70) Phenanthrene | 11.36 | 178 | 700851 | 54.43 | ng | | 98 |
| 71) Anthracene | 11.40 | 178 | 650289 | 51.01 | ng | | 100 |
| 72) Carbazole | 11.56 | 167 | 656949 | 52.93 | ng | # | 97 |
| 73) Di-n-butylphthalate | 11.89 | 149 | 809320 | 52.15 | ng | | 100 |
| 74) Fluoranthene | 12.53 | 202 | 696054 | 50.00 | ng | | 96 |
| 76) Benzidine | 12.66 | 184 | 372470 | 49.48 | ng | | 98 |
| 77) Pyrene | 12.76 | 202 | 714900 | 50.67 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.39 | 149 | 418349 | 61.50 | ng | | 87 |
| 80) Benzo(a)anthracene | 13.95 | 228 | 615965 | 51.05 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.92 | 252 | 222969 | 50.81 | ng | # | 98 |
| 82) Chrysene | 13.98 | 228 | 581413 | 50.33 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.95 | 149 | 526126 | 55.59 | ng | | 99 |
| 84) Di-n-octyl phthalate | 14.56 | 149 | 860539 | 53.63 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.73 | 276 | 607605 | 55.24 | ng | | 100 |
| 87) Benzo(b)fluoranthene | 14.97 | 252 | 643005 | 56.39 | ng | # | 98 |
| 88) Benzo(k)fluoranthene | 15.00 | 252 | 590163m | 59.37 | ng | | |
| 89) Benzo(a)pyrene | 15.31 | 252 | 569711 | 58.13 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 16.75 | 278 | 509041 | 58.71 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.14 | 276 | 492355 | 58.38 | ng | | 98 |

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

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