Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101215\
Data File : BF082234.D
Acq On : 12 Oct 2015 22:16
Operator : UM/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations APPROVED**
MMdadoda
10/13/2015 1:27:49 PM

Quant Time: Oct 13 02:54:36 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 13 02:05:16 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.83 | 152 | 76666 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.13 | 136 | 306046 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.87 | 164 | 150412 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.36 | 188 | 309187 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.01 | 240 | 285002 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.44 | 264 | 229881 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 299111 | 78.74 | ng | | 0.00 |
| 7) Phenol-d6 | 6.47 | 99 | 382810 | 77.44 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.41 | 82 | 359977 | 78.99 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.67 | 330 | 117259 | 83.13 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.20 | 172 | 721411 | 79.54 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.95 | 244 | 778664 | 72.40 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.37 | 88 | 72814 | 38.15 | ng | | 95 |
| 3) Pyridine | 3.10 | 79 | 173954 | 39.19 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.05 | 42 | 76076 | 40.41 | ng | | 99 |
| 6) Aniline | 6.49 | 93 | 253449 | 39.77 | ng | # | 72 |
| 8) 2-Chlorophenol | 6.62 | 128 | 182537 | 39.36 | ng | | 92 |
| 9) Benzaldehyde | 6.38 | 77 | 101738 | 40.30 | ng | | 93 |
| 10) Phenol | 6.48 | 94 | 201981 | 35.44 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 6.57 | 93 | 176566 | 36.63 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 6.77 | 146 | 200658m | 37.16 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.85 | 146 | 206533 | 36.62 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 7.01 | 146 | 206237m | 38.51 | ng | | |
| 15) Benzyl Alcohol | 6.98 | 79 | 143834 | 42.15 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.12 | 45 | 249016 | 37.10 | ng | | 98 |
| 17) 2-Methylphenol | 7.10 | 107 | 147401 | 40.20 | ng | | 97 |
| 18) Hexachloroethane | 7.35 | 117 | 69027 | 35.76 | ng | # | 73 |
| 19) n-Nitroso-di-n-propylamine | 7.26 | 70 | 131448 | 37.86 | ng | | 96 |
| 20) 3+4-Methylphenols | 7.26 | 107 | 175702 | 40.21 | ng | # | 84 |
| 22) Acetophenone | 7.25 | 105 | 233583 | 38.58 | ng | | 98 |
| 24) Nitrobenzene | 7.43 | 77 | 188873 | 38.29 | ng | # | 83 |
| 25) Isophorone | 7.66 | 82 | 340201 | 36.99 | ng | | 98 |
| 26) 2-Nitrophenol | 7.74 | 139 | 98408 | 39.95 | ng | # | 86 |
| 27) 2,4-Dimethylphenol | 7.78 | 122 | 166732 | 42.01 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 7.87 | 93 | 211698 | 39.56 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 7.99 | 162 | 153079 | 38.59 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 8.06 | 180 | 168480 | 36.85 | ng | | 96 |
| 31) Naphthalene | 8.15 | 128 | 500732 | 37.74 | ng | | 99 |
| 32) Benzoic acid | 7.91 | 122 | 101136 | 37.97 | ng | | 96 |
| 33) 4-Chloroaniline | 8.19 | 127 | 216749 | 39.34 | ng | # | 95 |
| 34) Hexachlorobutadiene | 8.25 | 225 | 100809 | 35.38 | ng | | 99 |
| 35) Caprolactam | 8.58 | 113 | 50172 | 43.58 | ng | | 91 |
| 36) 4-Chloro-3-methylphenol | 8.69 | 107 | 167344 | 43.14 | ng | | 89 |
| 37) 2-Methylnaphthalene | 8.83 | 142 | 362211 | 39.38 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.01 | 216 | 172610 | 38.58 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 8.98 | 237 | 63070 | 33.27 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.12 | 196 | 120438 | 40.53 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.15 | 196 | 126676 | 39.35 | ng | # | 89 |
| 45) 1,1'-Biphenyl | 9.30 | 154 | 470389 | 41.01 | ng | | 96 |
| 46) 2-Chloronaphthalene | 9.33 | 162 | 361012 | 39.98 | ng | | 96 |
| 47) 2-Nitroaniline | 9.43 | 65 | 110614 | 44.62 | ng | # | 84 |
| 48) Acenaphthylene | 9.74 | 152 | 548150 | 38.97 | ng | | 99 |
| 49) Dimethylphthalate | 9.61 | 163 | 413985 | 39.09 | ng | # | 97 |
| 50) 2,6-Dinitrotoluene | 9.67 | 165 | 89568 | 40.08 | ng | # | 82 |
| 51) Acenaphthene | 9.91 | 154 | 333546 | 39.50 | ng | | 98 |
| 52) 3-Nitroaniline | 9.84 | 138 | 101601 | 40.25 | ng | | 87 |
| 53) 2,4-Dinitrophenol | 9.95 | 184 | 40639 | 36.34 | ng | # | 90 |
| 54) Dibenzofuran | 10.08 | 168 | 448515 | 38.69 | ng | | 96 |
| 55) 4-Nitrophenol | 10.01 | 139 | 59746 | 42.12 | ng | | 93 |
| 56) 2,4-Dinitrotoluene | 10.08 | 165 | 120608 | 43.18 | ng | | 89 |
| 57) Fluorene | 10.42 | 166 | 363165 | 38.14 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.21 | 232 | 113407 | 43.12 | ng | | 94 |
| 59) Diethylphthalate | 10.30 | 149 | 402122 | 40.73 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 10.42 | 204 | 183776 | 42.14 | ng | # | 83 |
| 61) 4-Nitroaniline | 10.46 | 138 | 108991 | 44.51 | ng | | 97 |
| 62) Azobenzene | 10.58 | 77 | 395869 | 40.97 | ng | | 87 |
| 64) 4,6-Dinitro-2-methylphenol | 10.48 | 198 | 64687 | 37.28 | ng | # | 67 |
| 65) n-Nitrosodiphenylamine | 10.54 | 169 | 342445 | 36.99 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.91 | 248 | 119829 | 38.73 | ng | # | 81 |
| 67) Hexachlorobenzene | 10.97 | 284 | 126615 | 37.84 | ng | # | 81 |
| 68) Atrazine | 11.07 | 200 | 126046 | 42.98 | ng | | 95 |
| 69) Pentachlorophenol | 11.17 | 266 | 66900 | 38.85 | ng | | 97 |
| 70) Phenanthrene | 11.39 | 178 | 592664 | 39.11 | ng | | 98 |
| 71) Anthracene | 11.44 | 178 | 623599 | 39.93 | ng | | 100 |
| 72) Carbazole | 11.60 | 167 | 569872 | 40.00 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.93 | 149 | 672647 | 38.27 | ng | # | 97 |
| 74) Fluoranthene | 12.57 | 202 | 651832 | 40.05 | ng | | 96 |
| 76) Benzidine | 12.71 | 184 | 312960 | 37.89 | ng | | 100 |
| 77) Pyrene | 12.80 | 202 | 668048 | 39.50 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.43 | 149 | 309143 | 40.05 | ng | # | 83 |
| 80) Benzo(a)anthracene | 14.00 | 228 | 573549 | 38.68 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.97 | 252 | 217126 | 38.58 | ng | # | 96 |
| 82) Chrysene | 14.04 | 228 | 627622 | 40.17 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.98 | 149 | 385238 | 34.98 | ng | # | 95 |
| 84) Di-n-octyl phthalate | 14.60 | 149 | 657586 | 34.77 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.85 | 276 | 505102 | 40.67 | ng | | 99 |
| 87) Benzo(b)fluoranthene | 15.03 | 252 | 506231 | 36.20 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 15.05 | 252 | 479408m | 40.78 | ng | | |
| 89) Benzo(a)pyrene | 15.38 | 252 | 464860 | 38.68 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 16.87 | 278 | 413795 | 42.01 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 17.28 | 276 | 412224 | 43.08 | ng | | 96 |

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

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