Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123015\
Data File : BF084165.D
Acq On : 30 Dec 2015 23:59
Operator : UM/SJ
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**
Sohil
12/31/2015 6:41:07 PM

Quant Time: Dec 31 03:49:27 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 31 03:17:24 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.90 | 152 | 359256 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.19 | 136 | 1516286 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.94 | 164 | 680062 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.43 | 188 | 1319197 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.07 | 240 | 1136892 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.49 | 264 | 854729 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.48 | 112 | 460934 | 21.51 | ng | | -0.01 |
| 7) Phenol-d6 | 6.51 | 99 | 605973 | 22.73 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.46 | 82 | 512650 | 19.50 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.73 | 330 | 150488 | 20.74 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.26 | 172 | 1017898 | 20.96 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.01 | 244 | 970545 | 15.98 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.53 | 88 | 106987 | 11.90 | ng | | 98 |
| 3) Pyridine | 3.28 | 79 | 278664 | 12.24 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.20 | 42 | 140197 | 13.52 | ng | # | 88 |
| 6) Aniline | 6.56 | 93 | 424833 | 12.39 | ng | | 99 |
| 8) 2-Chlorophenol | 6.68 | 128 | 261950 | 10.08 | ng | # | 82 |
| 9) Benzaldehyde | 6.44 | 77 | 220727 | 15.21 | ng | | 93 |
| 10) Phenol | 6.52 | 94 | 359133 | 11.85 | ng | | 90 |
| 11) bis(2-Chloroethyl)ether | 6.62 | 93 | 238718 | 10.87 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 6.84 | 146 | 286017m | 10.14 | ng | | |
| 13) 1,4-Dichlorobenzene | 6.92 | 146 | 262905 | 9.17 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 7.07 | 146 | 277454 | 10.58 | ng | | 94 |
| 15) Benzyl Alcohol | 7.04 | 79 | 257047 | 12.41 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.18 | 45 | 490946 | 20.02 | ng | | 99 |
| 17) 2-Methylphenol | 7.14 | 107 | 202841 | 9.92 | ng | | 97 |
| 18) Hexachloroethane | 7.41 | 117 | 101793 | 9.67 | ng | # | 71 |
| 19) n-Nitroso-di-n-propylamine | 7.31 | 70 | 205633 | 12.42 | ng | | 93 |
| 20) 3+4-Methylphenols | 7.30 | 107 | 290605 | 11.18 | ng | | 91 |
| 22) Acetophenone | 7.31 | 105 | 390184 | 10.38 | ng | # | 70 |
| 24) Nitrobenzene | 7.48 | 77 | 255107 | 9.38 | ng | # | 79 |
| 25) Isophorone | 7.72 | 82 | 535485 | 10.99 | ng | | 99 |
| 26) 2-Nitrophenol | 7.80 | 139 | 96505 | 7.00 | ng | # | 82 |
| 27) 2,4-Dimethylphenol | 7.84 | 122 | 249805m | 10.83 | ng | | |
| 28) bis(2-Chloroethoxy)methane | 7.94 | 93 | 331354 | 11.60 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.03 | 162 | 203649 | 9.32 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 8.13 | 180 | 221096 | 9.36 | ng | # | 95 |
| 31) Naphthalene | 8.21 | 128 | 736397 | 9.29 | ng | | 94 |
| 32) Benzoic acid | 7.89 | 122 | 120308m | 9.65 | ng | | |
| 33) 4-Chloroaniline | 8.25 | 127 | 318952 | 9.79 | ng | # | 93 |
| 34) Hexachlorobutadiene | 8.33 | 225 | 121037 | 8.90 | ng | | 95 |
| 35) Caprolactam | 8.59 | 113 | 71906 | 11.64 | ng | | 93 |
| 36) 4-Chloro-3-methylphenol | 8.73 | 107 | 242789 | 9.92 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.90 | 142 | 523235 | 10.37 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.07 | 216 | 200305 | 9.43 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 9.06 | 237 | 124480 | 21.65 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.17 | 196 | 152493m | 10.90 | ng | | |
| 43) 2,4,5-Trichlorophenol | 9.21 | 196 | 156921m | 11.22 | ng | | |
| 45) 1,1'-Biphenyl | 9.37 | 154 | 642289 | 10.79 | ng | | 92 |
| 46) 2-Chloronaphthalene | 9.39 | 162 | 451151 | 9.91 | ng | # | 88 |
| 47) 2-Nitroaniline | 9.47 | 65 | 104178 | 8.34 | ng | # | 79 |
| 48) Acenaphthylene | 9.80 | 152 | 773630 | 10.24 | ng | | 98 |
| 49) Dimethylphthalate | 9.66 | 163 | 540658 | 9.70 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 9.72 | 165 | 101110 | 8.65 | ng | # | 84 |
| 51) Acenaphthene | 9.97 | 154 | 490732 | 10.97 | ng | | 99 |
| 52) 3-Nitroaniline | 9.88 | 138 | 117585 | 9.38 | ng | # | 96 |
| 53) 2,4-Dinitrophenol | 9.98 | 184 | 24502 | 6.92 | ng | # | 9 |
| 54) Dibenzofuran | 10.14 | 168 | 670410 | 10.86 | ng | | 96 |
| 55) 4-Nitrophenol | 10.03 | 139 | 98350 | 13.54 | ng | # | 83 |
| 56) 2,4-Dinitrotoluene | 10.12 | 165 | 113119 | 7.20 | ng | # | 88 |
| 57) Fluorene | 10.49 | 166 | 520670 | 10.18 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.26 | 232 | 140217 | 13.72 | ng | | 94 |
| 59) Diethylphthalate | 10.36 | 149 | 569472 | 9.98 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 10.49 | 204 | 230486 | 9.69 | ng | # | 86 |
| 61) 4-Nitroaniline | 10.49 | 138 | 108224 | 9.02 | ng | | 90 |
| 62) Azobenzene | 10.64 | 77 | 520252 | 10.68 | ng | | 93 |
| 64) 4,6-Dinitro-2-methylphenol | 10.52 | 198 | 41228 | 5.59 | ng | | 88 |
| 65) n-Nitrosodiphenylamine | 10.60 | 169 | 426928 | 9.34 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 10.97 | 248 | 143051 | 9.37 | ng | # | 73 |
| 67) Hexachlorobenzene | 11.04 | 284 | 161028 | 9.72 | ng | # | 77 |
| 68) Atrazine | 11.13 | 200 | 138395 | 9.72 | ng | | 91 |
| 69) Pentachlorophenol | 11.22 | 266 | 90592 | 16.20 | ng | | 97 |
| 70) Phenanthrene | 11.45 | 178 | 810185 | 10.52 | ng | | 98 |
| 71) Anthracene | 11.49 | 178 | 773167 | 9.62 | ng | | 95 |
| 72) Carbazole | 11.65 | 167 | 720814 | 10.49 | ng | # | 94 |
| 73) Di-n-butylphthalate | 12.00 | 149 | 871289 | 9.85 | ng | # | 95 |
| 74) Fluoranthene | 12.64 | 202 | 805740 | 9.95 | ng | | 92 |
| 76) Benzidine | 12.75 | 184 | 455987 | 11.50 | ng | | 99 |
| 77) Pyrene | 12.87 | 202 | 823343 | 8.69 | ng | | 96 |
| 79) Butylbenzylphthalate | 13.49 | 149 | 335857 | 8.32 | ng | # | 81 |
| 80) Benzo(a)anthracene | 14.05 | 228 | 645955 | 9.32 | ng | | 95 |
| 81) 3,3'-Dichlorobenzidine | 14.01 | 252 | 228520 | 10.57 | ng | # | 96 |
| 82) Chrysene | 14.09 | 228 | 622315 | 10.03 | ng | | 97 |
| 83) Bis(2-ethylhexyl)phthalate | 14.05 | 149 | 437786 | 8.61 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 14.66 | 149 | 699224 | 9.54 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 16.91 | 276 | 408296 | 6.57 | ng | | 100 |
| 87) Benzo(b)fluoranthene | 15.08 | 252 | 548177 | 8.64 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 15.11 | 252 | 516826m | 12.07 | ng | | |
| 89) Benzo(a)pyrene | 15.44 | 252 | 490043 | 9.41 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 16.93 | 278 | 338918 | 6.83 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 17.33 | 276 | 333125 | 6.56 | ng | | 96 |

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

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