Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080115\
Data File : BF080762.D
Acq On : 1 Aug 2015 5:38
Operator : TP/UM
Sample : SSTDCCC040
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
MMDadoda
8/3/2015 3:40:46 PM

Quant Time: Aug 03 00:53:24 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF073015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 31 01:45:22 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 171718 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.13 | 136 | 618589 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.89 | 164 | 313573 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.37 | 188 | 546564 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.00 | 240 | 354240 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.41 | 264 | 341348 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.45 | 112 | 762679 | 76.19 | ng | | 0.00 |
| 7) Phenol-d6 | 6.49 | 99 | 1075116 | 78.89 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.42 | 82 | 1040065 | 81.42 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.68 | 330 | 246715 | 75.82 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.22 | 172 | 1650206 | 78.51 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.96 | 244 | 1415907 | 75.60 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.50 | 88 | 183228 | 37.12 | ng | | 99 |
| 3) Pyridine | 3.22 | 79 | 536554 | 39.18 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.17 | 42 | 322757 | 41.22 | ng | | 95 |
| 6) Aniline | 6.52 | 93 | 747083 | 38.08 | ng | | 99 |
| 8) 2-Chlorophenol | 6.64 | 128 | 410519 | 36.59 | ng | | 98 |
| 9) Benzaldehyde | 6.40 | 77 | 316618 | 37.03 | ng | | 87 |
| 10) Phenol | 6.50 | 94 | 666037 | 42.23 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 6.59 | 93 | 388696 | 34.50 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.80 | 146 | 491387 | 39.34 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 6.88 | 146 | 524822 | 41.19 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.02 | 146 | 435217 | 37.37 | ng | | 99 |
| 15) Benzyl Alcohol | 7.00 | 79 | 414476 | 36.62 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.14 | 45 | 892925 | 37.10 | ng | | 99 |
| 17) 2-Methylphenol | 7.10 | 107 | 349990 | 38.00 | ng | | 98 |
| 18) Hexachloroethane | 7.37 | 117 | 185164 | 38.93 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.28 | 70 | 352327 | 38.39 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.26 | 107 | 457786 | 40.29 | ng | | 99 |
| 22) Acetophenone | 7.26 | 105 | 579424 | 38.80 | ng | | 98 |
| 24) Nitrobenzene | 7.44 | 77 | 463861 | 36.24 | ng | | 99 |
| 25) Isophorone | 7.68 | 82 | 881716 | 38.81 | ng | | 100 |
| 26) 2-Nitrophenol | 7.76 | 139 | 233538m | 44.95 | ng | | |
| 27) 2,4-Dimethylphenol | 7.79 | 122 | 379573 | 38.89 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.89 | 93 | 552728 | 41.07 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.00 | 162 | 348118 | 40.13 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 8.08 | 180 | 357520 | 37.79 | ng | | 100 |
| 31) Naphthalene | 8.16 | 128 | 1129871 | 36.59 | ng | | 100 |
| 32) Benzoic acid | 7.90 | 122 | 236130 | 34.59 | ng | | 99 |
| 33) 4-Chloroaniline | 8.21 | 127 | 505871 | 38.82 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.28 | 225 | 262850 | 43.04 | ng | | 99 |
| 35) Caprolactam | 8.59 | 113 | 108311 | 41.70 | ng | # | 67 |
| 36) 4-Chloro-3-methylphenol | 8.69 | 107 | 390928 | 41.80 | ng | # | 84 |
| 37) 2-Methylnaphthalene | 8.85 | 142 | 814900 | 42.04 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.01 | 216 | 338892 | 34.41 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 9.00 | 237 | 217893 | 35.97 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.13 | 196 | 251643m | 36.73 | ng | | |
| 43) 2,4,5-Trichlorophenol | 9.16 | 196 | 262900m | 38.69 | ng | | |
| 45) 1,1'-Biphenyl | 9.31 | 154 | 823241 | 34.24 | ng | | 95 |
| 46) 2-Chloronaphthalene | 9.33 | 162 | 693426 | 35.31 | ng | # | 90 |
| 47) 2-Nitroaniline | 9.44 | 65 | 292203 | 38.24 | ng | | 97 |
| 48) Acenaphthylene | 9.76 | 152 | 1224605 | 39.22 | ng | | 99 |
| 49) Dimethylphthalate | 9.62 | 163 | 838345 | 37.94 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.68 | 165 | 180839 | 38.56 | ng | | 97 |
| 51) Acenaphthene | 9.93 | 154 | 764209 | 40.12 | ng | | 99 |
| 52) 3-Nitroaniline | 9.85 | 138 | 203509 | 37.61 | ng | # | 92 |
| 53) 2,4-Dinitrophenol | 9.94 | 184 | 72600 | 29.07 | ng | | 98 |
| 54) Dibenzofuran | 10.10 | 168 | 982251 | 38.55 | ng | | 98 |
| 55) 4-Nitrophenol | 10.00 | 139 | 148132 | 37.15 | ng | | 85 |
| 56) 2,4-Dinitrotoluene | 10.08 | 165 | 257014 | 41.79 | ng | | 93 |
| 57) Fluorene | 10.44 | 166 | 726316 | 36.73 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.21 | 232 | 204233 | 39.86 | ng | | 99 |
| 59) Diethylphthalate | 10.32 | 149 | 815881 | 38.30 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.43 | 204 | 360680 | 42.06 | ng | | 96 |
| 61) 4-Nitroaniline | 10.45 | 138 | 183350 | 37.53 | ng | | 97 |
| 62) Azobenzene | 10.59 | 77 | 965441 | 41.84 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 10.48 | 198 | 106735 | 32.43 | ng | | 97 |
| 65) n-Nitrosodiphenylamine | 10.54 | 169 | 627944 | 35.05 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 10.92 | 248 | 231318 | 41.00 | ng | # | 92 |
| 67) Hexachlorobenzene | 10.98 | 284 | 235213 | 36.06 | ng | | 92 |
| 68) Atrazine | 11.07 | 200 | 165192 | 35.51 | ng | | 99 |
| 69) Pentachlorophenol | 11.17 | 266 | 147394 | 37.34 | ng | | 99 |
| 70) Phenanthrene | 11.39 | 178 | 957864 | 34.79 | ng | | 100 |
| 71) Anthracene | 11.45 | 178 | 1135844 | 41.98 | ng | | 99 |
| 72) Carbazole | 11.60 | 167 | 864443 | 36.81 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.94 | 149 | 1217991 | 41.83 | ng | | 98 |
| 74) Fluoranthene | 12.58 | 202 | 1043442 | 39.19 | ng | | 96 |
| 76) Benzidine | 12.69 | 184 | 443984 | 34.42 | ng | | 98 |
| 77) Pyrene | 12.81 | 202 | 1012763 | 36.86 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.43 | 149 | 412980 | 36.56 | ng | | 87 |
| 80) Benzo(a)anthracene | 13.99 | 228 | 757744 | 35.57 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 13.95 | 252 | 261589 | 35.97 | ng | # | 96 |
| 82) Chrysene | 14.02 | 228 | 675794 | 32.68 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.99 | 149 | 520144 | 38.03 | ng | # | 94 |
| 84) Di-n-octyl phthalate | 14.60 | 149 | 849841 | 37.06 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.80 | 276 | 901358 | 48.14 | ng | # | 89 |
| 87) Benzo(b)fluoranthene | 15.00 | 252 | 767882 | 37.66 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 15.04 | 252 | 568095m | 33.85 | ng | | |
| 89) Benzo(a)pyrene | 15.36 | 252 | 655363 | 39.15 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 16.81 | 278 | 742320 | 49.54 | ng | # | 96 |
| 91) Benzo(g,h,i)perylene | 17.22 | 276 | 742576 | 50.36 | ng | # | 93 |

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

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