Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081616\
Data File : BG023743.D
Acq On : 17 Aug 2016 00:57
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDCCC040EC

**Manual Integrations APPROVED**
umangi
8/17/2016 3:10:49 AM

Quant Time: Aug 17 01:55:51 2016
Quant Method : Z:\HPCHEM1\BNA_G\Methods\8270-BG080116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 01 19:22:14 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.10 | 152 | 114674 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.94 | 136 | 534727 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 14.78 | 164 | 341825 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.55 | 188 | 737993 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.87 | 240 | 714439 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.28 | 264 | 709295 | 20.00 | ng | | 0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.64 | 112 | 530264 | 77.84 | ng | | -0.02 |
| 7) Phenol-d6 | 7.26 | 99 | 821460 | 77.42 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 9.28 | 82 | 847256 | 78.77 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.28 | 330 | 380460 | 76.09 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.39 | 172 | 1685533 | 83.17 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.16 | 244 | 1990390 | 87.82 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.50 | 88 | 95738 | 32.98 | ng | | 94 |
| 3) Pyridine | 3.91 | 79 | 303500 | 31.82 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.82 | 42 | 133491 | 37.75 | ng | # | 84 |
| 6) Aniline | 7.42 | 93 | 508108 | 33.14 | ng | | 96 |
| 8) 2-Chlorophenol | 7.67 | 128 | 300847 | 38.44 | ng | | 97 |
| 9) Benzaldehyde | 7.23 | 77 | 247096 | 41.24 | ng | | 96 |
| 10) Phenol | 7.29 | 94 | 418647 | 36.88 | ng | | 83 |
| 11) bis(2-Chloroethyl)ether | 7.51 | 93 | 325023 | 35.90 | ng | | 92 |
| 12) 1,3-Dichlorobenzene | 7.99 | 146 | 346867 | 38.71 | ng | | 94 |
| 13) 1,4-Dichlorobenzene | 8.14 | 146 | 356278 | 38.84 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 8.46 | 146 | 335685 | 37.31 | ng | | 96 |
| 15) Benzyl Alcohol | 8.35 | 79 | 332854 | 41.40 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.64 | 45 | 492287 | 36.97 | ng | | 88 |
| 17) 2-Methylphenol | 8.55 | 107 | 287384 | 37.76 | ng | | 90 |
| 18) Hexachloroethane | 9.19 | 117 | 138498 | 40.11 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.91 | 70 | 325696 | 35.68 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.89 | 107 | 401472 | 37.42 | ng | | 92 |
| 22) Acetophenone | 8.94 | 105 | 531629 | 36.31 | ng | # | 92 |
| 24) Nitrobenzene | 9.33 | 77 | 485184 | 40.74 | ng | # | 90 |
| 25) Isophorone | 9.85 | 82 | 860385 | 38.40 | ng | # | 94 |
| 26) 2-Nitrophenol | 10.05 | 139 | 204452 | 40.67 | ng | # | 81 |
| 27) 2,4-Dimethylphenol | 10.10 | 122 | 320719 | 37.47 | ng | | 86 |
| 28) bis(2-Chloroethoxy)methane | 10.33 | 93 | 453388 | 33.66 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.59 | 162 | 345707 | 40.17 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.80 | 180 | 373017 | 40.19 | ng | | 97 |
| 31) Naphthalene | 10.99 | 128 | 1022024 | 37.53 | ng | | 100 |
| 32) Benzoic acid | 10.28 | 122 | 265806 | 35.65 | ng | | 96 |
| 33) 4-Chloroaniline | 11.10 | 127 | 427557 | 32.85 | ng | | 95 |
| 34) Hexachlorobutadiene | 11.27 | 225 | 257588 | 42.20 | ng | | 97 |
| 35) Caprolactam | 11.90 | 113 | 115171 | 31.81 | ng | | 91 |
| 36) 4-Chloro-3-methylphenol | 12.24 | 107 | 415456 | 36.74 | ng | | 91 |
| 37) 2-Methylnaphthalene | 12.60 | 142 | 760424m | 36.73 | ng | | |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.96 | 216 | 534423 | 43.11 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 12.94 | 237 | 48189 | 7.71 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.21 | 196 | 305934 | 41.43 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 13.29 | 196 | 307127 | 40.40 | ng | | 92 |
| 45) 1,1'-Biphenyl | 13.61 | 154 | 1043503 | 39.93 | ng | | 96 |
| 46) 2-Chloronaphthalene | 13.65 | 162 | 801052 | 39.63 | ng | | 96 |
| 47) 2-Nitroaniline | 13.86 | 65 | 316653 | 37.73 | ng | | 91 |
| 48) Acenaphthylene | 14.50 | 152 | 1257710 | 39.36 | ng | | 98 |
| 49) Dimethylphthalate | 14.23 | 163 | 1028803 | 39.23 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.36 | 165 | 234821 | 37.81 | ng | | 85 |
| 51) Acenaphthene | 14.84 | 154 | 796395 | 39.34 | ng | | 99 |
| 52) 3-Nitroaniline | 14.70 | 138 | 238269 | 34.02 | ng | | 82 |
| 53) 2,4-Dinitrophenol | 14.92 | 184 | 75344 | 18.92 | ng | # | 88 |
| 54) Dibenzofuran | 15.18 | 168 | 1125459 | 38.29 | ng | | 96 |
| 55) 4-Nitrophenol | 15.02 | 139 | 178540 | 32.46 | ng | # | 82 |
| 56) 2,4-Dinitrotoluene | 15.16 | 165 | 332114 | 38.10 | ng | | 94 |
| 57) Fluorene | 15.84 | 166 | 983066 | 38.33 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.41 | 232 | 255451 | 36.62 | ng | | 95 |
| 59) Diethylphthalate | 15.58 | 149 | 1040116 | 39.07 | ng | | 100 |
| 60) 4-Chlorophenyl-phenylether | 15.82 | 204 | 528319 | 38.93 | ng | | 97 |
| 61) 4-Nitroaniline | 15.87 | 138 | 241363 | 32.37 | ng | # | 70 |
| 62) Azobenzene | 16.11 | 77 | 1029449 | 38.15 | ng | | 92 |
| 64) 4,6-Dinitro-2-methylphenol | 15.93 | 198 | 148451 | 29.59 | ng | | 94 |
| 65) n-Nitrosodiphenylamine | 16.04 | 169 | 862247 | 39.83 | ng | | 94 |
| 66) 4-Bromophenyl-phenylether | 16.72 | 248 | 345526 | 40.17 | ng | | 99 |
| 67) Hexachlorobenzene | 16.85 | 284 | 367834 | 39.09 | ng | | 97 |
| 68) Atrazine | 16.99 | 200 | 330180 | 39.72 | ng | | 97 |
| 69) Pentachlorophenol | 17.20 | 266 | 185150 | 33.75 | ng | | 98 |
| 70) Phenanthrene | 17.59 | 178 | 1448296 | 38.68 | ng | | 97 |
| 71) Anthracene | 17.68 | 178 | 1487905 | 39.50 | ng | | 99 |
| 72) Carbazole | 17.96 | 167 | 1303133 | 39.40 | ng | | 100 |
| 73) Di-n-butylphthalate | 18.49 | 149 | 1586707 | 47.78 | ng | | 97 |
| 74) Fluoranthene | 19.60 | 202 | 1588317 | 45.13 | ng | | 97 |
| 76) Benzidine | 19.79 | 184 | 865897 | 43.60 | ng | | 99 |
| 77) Pyrene | 19.97 | 202 | 1599649 | 38.21 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.84 | 149 | 719628 | 41.83 | ng | | 98 |
| 80) Benzo(a)anthracene | 21.85 | 228 | 1538427 | 39.01 | ng | | 97 |
| 81) 3,3'-Dichlorobenzidine | 21.76 | 252 | 644274 | 39.83 | ng | # | 97 |
| 82) Chrysene | 21.92 | 228 | 1457479 | 38.84 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.72 | 149 | 1002634 | 42.56 | ng | | 96 |
| 84) Di-n-octyl phthalate | 22.99 | 149 | 1677837 | 41.73 | ng | | 100 |
| 85) Indeno(1,2,3-cd)pyrene | 29.19 | 276 | 1818373 | 38.78 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 24.19 | 252 | 1556148 | 38.99 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 24.26 | 252 | 1488627 | 38.84 | ng | # | 98 |
| 89) Benzo(a)pyrene | 25.11 | 252 | 1500644 | 39.54 | ng | # | 98 |
| 90) Dibenzo(a,h)anthracene | 29.25 | 278 | 1560862 | 40.26 | ng | # | 96 |
| 91) Benzo(g,h,i)perylene | 30.41 | 276 | 1434220 | 36.73 | ng | # | 92 |

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

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