Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG011017\
Data File : BG025451.D
Acq On : 10 Jan 2017 10:35
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SSTDCCC040

Quant Time: Jan 10 13:05:25 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 10 11:26:22 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.20 | 152 | 64464 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.03 | 136 | 259641 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.82 | 164 | 215693 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.57 | 188 | 487311 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.86 | 240 | 674006 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.27 | 264 | 737354 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.74 | 112 | 287032 | 80.93 | ng | | 0.00 |
| 7) Phenol-d6 | 7.36 | 99 | 418751 | 83.84 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.38 | 82 | 513702 | 87.40 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.32 | 330 | 264830 | 76.26 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.45 | 172 | 1090808 | 81.88 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.15 | 244 | 1983777 | 78.04 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.58 | 88 | 62910 | 41.57 | ng | | 95 |
| 3) Pyridine | 3.99 | 79 | 189075 | 43.10 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.91 | 42 | 105914 | 40.68 | ng | # | 99 |
| 6) Aniline | 7.52 | 93 | 284510 | 42.04 | ng | | 97 |
| 8) 2-Chlorophenol | 7.76 | 128 | 159078 | 39.76 | ng | | 97 |
| 9) Benzaldehyde | 7.34 | 77 | 132563 | 36.27 | ng | | 98 |
| 10) Phenol | 7.39 | 94 | 232280 | 41.95 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 7.61 | 93 | 176754 | 41.43 | ng | | 89 |
| 12) 1,3-Dichlorobenzene | 8.09 | 146 | 200166 | 41.34 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.24 | 146 | 203767 | 40.61 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.56 | 146 | 188530 | 39.37 | ng | | 94 |
| 15) Benzyl Alcohol | 8.44 | 79 | 182658 | 38.31 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.72 | 45 | 332822 | 42.12 | ng | | 96 |
| 17) 2-Methylphenol | 8.65 | 107 | 155385 | 42.73 | ng | | 98 |
| 18) Hexachloroethane | 9.28 | 117 | 77822 | 40.39 | ng | | 87 |
| 19) n-Nitroso-di-n-propylamine | 9.00 | 70 | 173297 | 41.08 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.98 | 107 | 215330 | 42.79 | ng | | 95 |
| 22) Acetophenone | 9.03 | 105 | 306047 | 42.42 | ng | # | 93 |
| 24) Nitrobenzene | 9.42 | 77 | 278704 | 43.24 | ng | | 98 |
| 25) Isophorone | 9.94 | 82 | 464515 | 43.65 | ng | | 97 |
| 26) 2-Nitrophenol | 10.14 | 139 | 102178 | 41.44 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 10.18 | 122 | 175092 | 43.20 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 10.41 | 93 | 229787 | 41.58 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.68 | 162 | 190881 | 44.01 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.88 | 180 | 215682 | 41.16 | ng | | 97 |
| 31) Naphthalene | 11.08 | 128 | 550592 | 42.46 | ng | | 98 |
| 32) Benzoic acid | 10.35 | 122 | 126602 | 38.84 | ng | | 87 |
| 33) 4-Chloroaniline | 11.20 | 127 | 236277 | 43.33 | ng | | 95 |
| 34) Hexachlorobutadiene | 11.33 | 225 | 185979 | 43.48 | ng | | 99 |
| 35) Caprolactam | 11.97 | 113 | 64492 | 39.57 | ng | # | 89 |
| 36) 4-Chloro-3-methylphenol | 12.31 | 107 | 224403 | 41.91 | ng | | 91 |
| 37) 2-Methylnaphthalene | 12.67 | 142 | 419322 | 43.64 | ng | | 95 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.03 | 216 | 288771 | 40.55 | ng | # | 97 |
| 40) Hexachlorocyclopentadiene | 12.99 | 237 | 94451 | 40.96 | ng | | 91 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.27 | 196 | 181045 | 40.38 | ng | | 95 |
| 43) 2,4,5-Trichlorophenol | 13.36 | 196 | 177345 | 37.78 | ng | | 98 |
| 45) 1,1'-Biphenyl | 13.66 | 154 | 595174 | 41.02 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.71 | 162 | 465241 | 41.05 | ng | | 96 |
| 47) 2-Nitroaniline | 13.93 | 65 | 209576 | 43.81 | ng | | 95 |
| 48) Acenaphthylene | 14.55 | 152 | 709433 | 40.38 | ng | | 98 |
| 49) Dimethylphthalate | 14.27 | 163 | 634324 | 40.34 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.41 | 165 | 138147 | 40.22 | ng | | 97 |
| 51) Acenaphthene | 14.89 | 154 | 467340 | 40.67 | ng | | 96 |
| 52) 3-Nitroaniline | 14.75 | 138 | 129592 | 39.24 | ng | | 92 |
| 53) 2,4-Dinitrophenol | 14.97 | 184 | 79763 | 38.24 | ng | | 93 |
| 54) Dibenzofuran | 15.22 | 168 | 756369 | 41.64 | ng | | 96 |
| 55) 4-Nitrophenol | 15.07 | 139 | 94319 | 38.24 | ng | | 92 |
| 56) 2,4-Dinitrotoluene | 15.21 | 165 | 200161 | 40.02 | ng | # | 89 |
| 57) Fluorene | 15.87 | 166 | 612810 | 40.30 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.45 | 232 | 193063 | 38.40 | ng | | 92 |
| 59) Diethylphthalate | 15.62 | 149 | 665898 | 40.38 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.85 | 204 | 347764 | 40.35 | ng | | 94 |
| 61) 4-Nitroaniline | 15.92 | 138 | 136482 | 41.07 | ng | # | 84 |
| 62) Azobenzene | 16.15 | 77 | 662335 | 41.65 | ng | | 99 |
| 64) 4,6-Dinitro-2-methylphenol | 15.97 | 198 | 142839 | 42.33 | ng | | 82 |
| 65) n-Nitrosodiphenylamine | 16.07 | 169 | 538139 | 40.86 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 16.75 | 248 | 252857 | 42.06 | ng | | 96 |
| 67) Hexachlorobenzene | 16.87 | 284 | 279064 | 40.45 | ng | | 91 |
| 68) Atrazine | 17.01 | 200 | 204963 | 35.51 | ng | | 95 |
| 69) Pentachlorophenol | 17.23 | 266 | 133380 | 37.29 | ng | | 95 |
| 70) Phenanthrene | 17.62 | 178 | 1036004 | 41.26 | ng | | 96 |
| 71) Anthracene | 17.71 | 178 | 1056553 | 41.41 | ng | | 99 |
| 72) Carbazole | 17.99 | 167 | 937124 | 41.06 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.49 | 149 | 1139015 | 40.56 | ng | | 99 |
| 74) Fluoranthene | 19.61 | 202 | 1366971 | 41.21 | ng | | 94 |
| 76) Benzidine | 19.79 | 184 | 569334 | 33.86 | ng | | 99 |
| 77) Pyrene | 19.98 | 202 | 1425019 | 40.45 | ng | | 96 |
| 79) Butylbenzylphthalate | 20.82 | 149 | 588000 | 41.57 | ng | | 96 |
| 80) Benzo(a)anthracene | 21.84 | 228 | 1563303 | 41.58 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.75 | 252 | 605804 | 41.49 | ng | | 98 |
| 82) Chrysene | 21.92 | 228 | 1486256 | 41.23 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.69 | 149 | 840317 | 42.69 | ng | | 99 |
| 84) Di-n-octyl phthalate | 22.94 | 149 | 1417810 | 43.39 | ng | | 95 |
| 85) Indeno(1,2,3-cd)pyrene | 29.20 | 276 | 2010524 | 43.87 | ng | # | 55 |
| 87) Benzo(b)fluoranthene | 24.17 | 252 | 1667049 | 41.44 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 24.24 | 252 | 1594341 | 41.04 | ng | | 96 |
| 89) Benzo(a)pyrene | 25.10 | 252 | 1620618 | 41.71 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 29.23 | 278 | 1730124 | 42.01 | ng | # | 97 |
| 91) Benzo(g,h,i)perylene | 30.42 | 276 | 1723169 | 42.11 | ng | | 98 |

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

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