Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122216\
Data File : BG025391.D
Acq On : 22 Dec 2016 16:22
Operator : UM/SJ
Sample : H6103-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** LOQ-WATER-06-QT1-2017

Quant Time: Dec 23 00:28:56 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 18:42:01 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.22 | 152 | 51603 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.04 | 136 | 206127 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.84 | 164 | 164637 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.59 | 188 | 390376 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.88 | 240 | 571352 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 25.29 | 264 | 589723 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.75 | 112 | 477624 | 168.24 | ng | | 0.00 |
| 7) Phenol-d6 | 7.38 | 99 | 649990 | 162.57 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.40 | 82 | 529213 | 113.42 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.33 | 330 | 408464 | 154.10 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.46 | 172 | 1127459 | 110.87 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.17 | 244 | 2212934 | 102.69 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.59 | 88 | 19400 | 16.02 | ng | # | 92 |
| 3) Pyridine | 4.00 | 79 | 56517 | 16.10 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.92 | 42 | 33733 | 16.18 | ng | # | 97 |
| 6) Aniline | 7.53 | 93 | 57567 | 10.63 | ng | | 96 |
| 8) 2-Chlorophenol | 7.78 | 128 | 57125 | 17.84 | ng | | 93 |
| 9) Benzaldehyde | 7.36 | 77 | 52227 | 17.85 | ng | | 86 |
| 10) Phenol | 7.41 | 94 | 82027 | 18.51 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 7.63 | 93 | 56436 | 16.52 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 8.10 | 146 | 64733 | 16.70 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 8.25 | 146 | 68102 | 16.96 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 8.57 | 146 | 62556 | 16.32 | ng | | 95 |
| 15) Benzyl Alcohol | 8.46 | 79 | 69049 | 18.09 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.73 | 45 | 108011 | 17.08 | ng | | 93 |
| 17) 2-Methylphenol | 8.67 | 107 | 53865 | 18.51 | ng | | 97 |
| 18) Hexachloroethane | 9.30 | 117 | 25965 | 16.83 | ng | | 85 |
| 19) n-Nitroso-di-n-propylamine | 9.01 | 70 | 54645 | 16.18 | ng | | 98 |
| 20) 3+4-Methylphenols | 9.00 | 107 | 70229 | 17.43 | ng | | 89 |
| 22) Acetophenone | 9.04 | 105 | 98230 | 17.15 | ng | # | 93 |
| 24) Nitrobenzene | 9.44 | 77 | 91434 | 17.87 | ng | | 97 |
| 25) Isophorone | 9.96 | 82 | 142253 | 16.84 | ng | | 97 |
| 26) 2-Nitrophenol | 10.16 | 139 | 35983 | 18.38 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 10.20 | 122 | 61605 | 19.14 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 10.43 | 93 | 76362 | 17.41 | ng | | 94 |
| 29) 2,4-Dichlorophenol | 10.70 | 162 | 62767 | 18.23 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 10.90 | 180 | 73273 | 17.61 | ng | | 96 |
| 31) Naphthalene | 11.09 | 128 | 179182 | 17.41 | ng | | 96 |
| 32) Benzoic acid | 10.32 | 122 | 44683 | 17.27 | ng | | 92 |
| 33) 4-Chloroaniline | 11.22 | 127 | 38247 | 8.83 | ng | # | 85 |
| 34) Hexachlorobutadiene | 11.35 | 225 | 57914 | 17.05 | ng | | 96 |
| 35) Caprolactam | 11.98 | 113 | 22211 | 17.17 | ng | # | 82 |
| 36) 4-Chloro-3-methylphenol | 12.32 | 107 | 76725 | 18.05 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.68 | 142 | 137760 | 18.06 | ng | | 91 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.05 | 216 | 96383 | 17.73 | ng | | 96 |
| 40) Hexachlorocyclopentadiene | 13.00 | 237 | 17633 | 16.45 | ng | | 89 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.29 | 196 | 61500 | 17.97 ng | | 94 |
| 43) 2,4,5-Trichlorophenol | 13.37 | 196 | 65441 | 18.27 ng | # | 89 |
| 45) 1,1'-Biphenyl | 13.67 | 154 | 195624 | 17.67 ng | | 96 |
| 46) 2-Chloronaphthalene | 13.73 | 162 | 152023 | 17.57 ng | | 97 |
| 47) 2-Nitroaniline | 13.94 | 65 | 65229 | 17.86 ng | | 95 |
| 48) Acenaphthylene | 14.57 | 152 | 238286 | 17.77 ng | | 94 |
| 49) Dimethylphthalate | 14.28 | 163 | 212165 | 17.68 ng | # | 95 |
| 50) 2,6-Dinitrotoluene | 14.42 | 165 | 45374 | 17.30 ng | | 98 |
| 51) Acenaphthene | 14.90 | 154 | 150775 | 17.19 ng | | 97 |
| 52) 3-Nitroaniline | 14.76 | 138 | 34387 | 13.64 ng | | 89 |
| 53) 2,4-Dinitrophenol | 15.00 | 184 | 11408 | 11.29 ng | # | 90 |
| 54) Dibenzofuran | 15.24 | 168 | 247047 | 17.82 ng | | 98 |
| 55) 4-Nitrophenol | 15.10 | 139 | 31629 | 16.80 ng | # | 78 |
| 56) 2,4-Dinitrotoluene | 15.22 | 165 | 67933 | 17.79 ng | # | 91 |
| 57) Fluorene | 15.88 | 166 | 206582 | 17.80 ng | | 95 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.47 | 232 | 71817 | 18.71 ng | | 93 |
| 59) Diethylphthalate | 15.63 | 149 | 215297 | 17.11 ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.87 | 204 | 115104 | 17.50 ng | | 91 |
| 61) 4-Nitroaniline | 15.93 | 138 | 45133 | 17.79 ng | | 95 |
| 62) Azobenzene | 16.16 | 77 | 216431 | 17.83 ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 15.98 | 198 | 41766 | 15.45 ng | | 86 |
| 65) n-Nitrosodiphenylamine | 16.08 | 169 | 184534 | 17.49 ng | | 95 |
| 66) 4-Bromophenyl-phenylether | 16.76 | 248 | 81598 | 16.94 ng | | 98 |
| 67) Hexachlorobenzene | 16.88 | 284 | 92586 | 16.75 ng | | 94 |
| 68) Atrazine | 17.02 | 200 | 63063 | 13.64 ng | | 96 |
| 69) Pentachlorophenol | 17.25 | 266 | 39789 | 13.89 ng | | 98 |
| 70) Phenanthrene | 17.63 | 178 | 350472m | 17.42 ng | | |
| 71) Anthracene | 17.72 | 178 | 357951 | 17.51 ng | | 97 |
| 72) Carbazole | 18.00 | 167 | 332379 | 18.18 ng | # | 94 |
| 73) Di-n-butylphthalate | 18.50 | 149 | 405979 | 18.05 ng | | 99 |
| 74) Fluoranthene | 19.63 | 202 | 494256 | 18.60 ng | | 90 |
| 76) Benzidine | 19.80 | 184 | 135052 | 9.48 ng | | 97 |
| 77) Pyrene | 19.99 | 202 | 521537 | 17.47 ng | | 93 |
| 79) Butylbenzylphthalate | 20.84 | 149 | 207445 | 17.30 ng | | 94 |
| 80) Benzo(a)anthracene | 21.86 | 228 | 571506 | 17.93 ng | | 91 |
| 81) 3,3'-Dichlorobenzidine | 21.76 | 252 | 137602 | 11.12 ng | | 95 |
| 82) Chrysene | 21.93 | 228 | 545756 | 17.86 ng | | 95 |
| 83) Bis(2-ethylhexyl)phthalate | 21.70 | 149 | 290851 | 17.43 ng | | 98 |
| 84) Di-n-octyl phthalate | 22.96 | 149 | 497056 | 17.94 ng | # | 93 |
| 85) Indeno(1,2,3-cd)pyrene | 29.21 | 276 | 670829 | 17.27 ng | # | 96 |
| 87) Benzo(b)fluoranthene | 24.19 | 252 | 585352 | 18.19 ng | # | 95 |
| 88) Benzo(k)fluoranthene | 24.26 | 252 | 549697m | 17.69 ng | | |
| 89) Benzo(a)pyrene | 25.13 | 252 | 556931 | 17.92 ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 29.26 | 278 | 584904 | 17.76 ng | | 98 |
| 91) Benzo(g,h,i)perylene | 30.45 | 276 | 556127 | 16.99 ng | | 93 |

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

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