Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG071017\
Data File : BG027896.D
Acq On : 10 Jul 2017 20:47
Operator : SJ/JU
Sample : I4071-03MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 11 13:21:21 2017
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG062817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 07 17:43:21 2017
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
HR-06-070617-AMSD

**Manual Integrations APPROVED**
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.42 | 152 | 39703 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 11.23 | 136 | 186821 | 20.00 | ng | -0.01 |
| 38) Acenaphthene-d10 | 15.02 | 164 | 124351 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 17.76 | 188 | 313786 | 20.00 | ng | -0.01 |
| 75) Chrysene-d12 | 22.11 | 240 | 334038 | 20.00 | ng | -0.01 |
| 86) Perylene-d12 | 25.67 | 264 | 297204 | 20.00 | ng | -0.03 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 6.00 | 112 | 317372 | 123.09 | ng | 0.00 |
| 7) Phenol-d6 | 7.57 | 99 | 421088 | 106.91 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.58 | 82 | 247113 | 73.73 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 16.50 | 330 | 291189 | 170.72 | ng | -0.01 |
| 44) 2-Fluorobiphenyl | 13.64 | 172 | 716740 | 82.32 | ng | -0.01 |
| 78) Terphenyl-d14 | 20.35 | 244 | 1209718 | 84.90 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.97 | 88 | 32093 | 33.433 | ng | # 70 |
| 3) Pyridine | 4.45 | 79 | 59969m | 20.289 | ng | |
| 4) n-Nitrosodimethylamine | 4.26 | 42 | 28473 | 19.644 | ng | # 1 |
| 8) 2-Chlorophenol | 7.99 | 128 | 122208 | 42.417 | ng | # 79 |
| 9) Benzaldehyde | 7.56 | 77 | 62235 | 26.553 | ng | # 77 |
| 10) Phenol | 7.60 | 94 | 145263 | 37.277 | ng | # 65 |
| 11) bis(2-Chloroethyl)ether | 7.82 | 93 | 172623 | 58.318 | ng | # 72 |
| 12) 1,3-Dichlorobenzene | 8.31 | 146 | 102707 | 33.515 | ng | # 86 |
| 13) 1,4-Dichlorobenzene | 8.45 | 146 | 107567 | 33.875 | ng | 95 |
| 14) 1,2-Dichlorobenzene | 8.78 | 146 | 105804 | 34.365 | ng | 92 |
| 15) Benzyl Alcohol | 8.65 | 79 | 75600 | 27.746 | ng | # 77 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.93 | 45 | 128221 | 20.309 | ng | 83 |
| 17) 2-Methylphenol | 8.85 | 107 | 108446 | 39.335 | ng | # 81 |
| 18) Hexachloroethane | 9.50 | 117 | 35373 | 31.669 | ng | 80 |
| 19) n-Nitroso-di-n-propylamine | 9.21 | 70 | 91360 | 31.882 | ng | # 69 |
| 20) 3+4-Methylphenols | 9.18 | 107 | 151768 | 38.173 | ng | 84 |
| 22) Acetophenone | 9.23 | 105 | 179376 | 39.789 | ng | # 72 |
| 24) Nitrobenzene | 9.63 | 77 | 123000 | 35.103 | ng | # 76 |
| 25) Isophorone | 10.14 | 82 | 271549 | 37.170 | ng | # 91 |
| 26) 2-Nitrophenol | 10.34 | 139 | 65427 | 41.338 | ng | # 61 |
| 27) 2,4-Dimethylphenol | 10.38 | 122 | 137376 | 46.341 | ng | 87 |
| 28) bis(2-Chloroethoxy)methane | 10.61 | 93 | 164134 | 39.628 | ng | 97 |
| 29) 2,4-Dichlorophenol | 10.88 | 162 | 121096 | 46.612 | ng | 97 |
| 30) 1,2,4-Trichlorobenzene | 11.09 | 180 | 102342 | 38.626 | ng | 98 |
| 31) Naphthalene | 11.29 | 128 | 383121 | 38.563 | ng | 98 |
| 32) Benzoic acid | 10.52 | 122 | 64904 | 38.069 | ng | # 73 |
| 33) 4-Chloroaniline | 11.46 | 127 | 94722 | 22.069 | ng | # 82 |
| 34) Hexachlorobutadiene | 11.56 | 225 | 50882 | 34.465 | ng | 97 |
| 35) Caprolactam | 12.18 | 113 | 45787m | 35.040 | ng | |
| 36) 4-Chloro-3-methylphenol | 12.48 | 107 | 156604 | 42.839 | ng | # 84 |
| 37) 2-Methylnaphthalene | 12.86 | 142 | 303987 | 41.080 | ng | # 89 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.22 | 216 | 132030 | 40.405 | ng | 100 |
| 40) Hexachlorocyclopentadiene | 13.19 | 237 | 140850 | 91.422 | ng | 95 |
| 42) 2,4,6-Trichlorophenol | 13.45 | 196 | 105302 | 44.618 | ng | 96 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 13.54 | 196 | 118866 | 44.450 | ng | | 92 |
| 45) 1,1'-Biphenyl | 13.85 | 154 | 409271 | 41.062 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.90 | 162 | 299633 | 39.795 | ng | | 97 |
| 47) 2-Nitroaniline | 14.10 | 65 | 100465 | 33.335 | ng | # | 51 |
| 48) Acenaphthylene | 14.74 | 152 | 547170 | 39.770 | ng | | 97 |
| 49) Dimethylphthalate | 14.45 | 163 | 455434 | 42.933 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.58 | 165 | 102865 | 44.608 | ng | # | 60 |
| 51) Acenaphthene | 15.08 | 154 | 338192 | 38.352 | ng | | 96 |
| 52) 3-Nitroaniline | 14.92 | 138 | 88967 | 32.794 | ng | # | 73 |
| 53) 2,4-Dinitrophenol | 15.12 | 184 | 125612 | 97.191 | ng | # | 70 |
| 54) Dibenzofuran | 15.41 | 168 | 534310 | 45.824 | ng | | 90 |
| 55) 4-Nitrophenol | 15.22 | 139 | 156459 | 75.552 | ng | # | 37 |
| 56) 2,4-Dinitrotoluene | 15.37 | 165 | 148967 | 46.315 | ng | # | 72 |
| 57) Fluorene | 16.06 | 166 | 489082 | 43.261 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.63 | 232 | 116594 | 50.578 | ng | # | 98 |
| 59) Diethylphthalate | 15.80 | 149 | 493449 | 42.009 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 16.04 | 204 | 216693 | 43.298 | ng | | 92 |
| 61) 4-Nitroaniline | 16.09 | 138 | 114686 | 40.578 | ng | # | 49 |
| 62) Azobenzene | 16.33 | 77 | 421384 | 40.825 | ng | | 80 |
| 64) 4,6-Dinitro-2-methylphenol | 16.13 | 198 | 80010 | 41.758 | ng | | 83 |
| 65) n-Nitrosodiphenylamine | 16.26 | 169 | 432049 | 42.327 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 16.94 | 248 | 149007 | 45.403 | ng | | 93 |
| 67) Hexachlorobenzene | 17.07 | 284 | 168169 | 48.385 | ng | # | 86 |
| 68) Atrazine | 17.20 | 200 | 104602 | 32.458 | ng | | 93 |
| 69) Pentachlorophenol | 17.41 | 266 | 191789 | 85.933 | ng | | 96 |
| 70) Phenanthrene | 17.81 | 178 | 788426 | 43.524 | ng | | 95 |
| 71) Anthracene | 17.90 | 178 | 783828 | 42.850 | ng | | 97 |
| 72) Carbazole | 18.17 | 167 | 657073 | 36.473 | ng | | 95 |
| 73) Di-n-butylphthalate | 18.69 | 149 | 768042 | 38.795 | ng | # | 92 |
| 74) Fluoranthene | 19.80 | 202 | 785147 | 39.658 | ng | | 92 |
| 76) Benzidine | 20.01 | 184 | 4301 | 3.722 | ng | | 96 |
| 77) Pyrene | 20.16 | 202 | 801082 | 38.214 | ng | | 96 |
| 79) Butylbenzylphthalate | 21.03 | 149 | 348505 | 36.912 | ng | | 85 |
| 80) Benzo(a)anthracene | 22.09 | 228 | 792749 | 39.254 | ng | | 95 |
| 81) 3,3'-Dichlorobenzidine | 21.99 | 252 | 180946 | 24.686 | ng | # | 98 |
| 82) Chrysene | 22.16 | 228 | 745904 | 39.404 | ng | | 95 |
| 83) Bis(2-ethylhexyl)phthalate | 21.94 | 149 | 503270 | 36.476 | ng | | 100 |
| 84) Di-n-octyl phthalate | 23.27 | 149 | 866816 | 38.027 | ng | # | 82 |
| 85) Indeno(1,2,3-cd)pyrene | 29.77 | 276 | 945703 | 43.711 | ng | # | 86 |
| 87) Benzo(b)fluoranthene | 24.53 | 252 | 808790 | 42.240 | ng | # | 94 |
| 88) Benzo(k)fluoranthene | 24.61 | 252 | 799876 | 42.261 | ng | # | 92 |
| 89) Benzo(a)pyrene | 25.50 | 252 | 764525 | 42.552 | ng | # | 91 |
| 90) Dibenzo(a,h)anthracene | 29.84 | 278 | 815431 | 44.800 | ng | # | 92 |
| 91) Benzo(g,h,i)perylene | 31.06 | 276 | 758094 | 43.338 | ng | # | 87 |

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

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