Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022618\
Data File : BG032823.D
Acq On : 26 Feb 2018 15:53
Operator : SJ/JU
Sample : J1688-01MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
T-3-ROADMSD

**Manual Integrations APPROVED**
Sohil
2/27/2018 10:23:12 AM

Quant Time: Feb 26 18:10:04 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 26 17:50:45 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.93 | 152 | 74800 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.81 | 136 | 328606 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 15.54 | 164 | 184117 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 18.27 | 188 | 425349 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 22.63 | 240 | 408603 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 26.44 | 264 | 452669 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.34 | 112 | 492797 | 105.40 | ng | | 0.00 |
| 7) Phenol-d6 | 8.02 | 99 | 657547 | 100.90 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 10.13 | 82 | 368620 | 78.68 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 17.01 | 330 | 224277 | 115.85 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 14.17 | 172 | 778307 | 60.97 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.79 | 244 | 1144183 | 62.91 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.96 | 88 | 63454 | 31.272 | ng | | 87 |
| 3) Pyridine | 4.43 | 79 | 178785 | 31.968 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 4.33 | 42 | 87433 | 38.994 | ng | # | 91 |
| 6) Aniline | 8.22 | 93 | 204926 | 23.231 | ng | | 96 |
| 8) 2-Chlorophenol | 8.47 | 128 | 196967 | 38.489 | ng | | 93 |
| 9) Benzaldehyde | 8.02 | 77 | 88204 | 23.484 | ng | | 90 |
| 10) Phenol | 8.05 | 94 | 268637 | 40.892 | ng | | 88 |
| 11) bis(2-Chloroethyl)ether | 8.30 | 93 | 179896 | 33.489 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 8.81 | 146 | 198719 | 33.153 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 8.96 | 146 | 202089 | 33.495 | ng | | 93 |
| 14) 1,2-Dichlorobenzene | 9.30 | 146 | 189826 | 32.832 | ng | | 97 |
| 15) Benzyl Alcohol | 9.16 | 79 | 167692 | 35.002 | ng | | 88 |
| 16) 2,2'-oxybis(1-Chloropropan | 9.45 | 45 | 289053 | 31.301 | ng | | 96 |
| 17) 2-Methylphenol | 9.35 | 107 | 169948 | 35.082 | ng | | 93 |
| 18) Hexachloroethane | 10.06 | 117 | 71836 | 34.969 | ng | # | 83 |
| 19) n-Nitroso-di-n-propylamine | 9.74 | 70 | 146917 | 31.933 | ng | # | 97 |
| 20) 3+4-Methylphenols | 9.69 | 107 | 235158 | 34.912 | ng | | 93 |
| 22) Acetophenone | 9.77 | 105 | 280239 | 33.768 | ng | # | 95 |
| 24) Nitrobenzene | 10.17 | 77 | 201233 | 39.676 | ng | # | 89 |
| 25) Isophorone | 10.70 | 82 | 405390 | 35.148 | ng | # | 94 |
| 26) 2-Nitrophenol | 10.90 | 139 | 95369 | 50.602 | ng | | 90 |
| 27) 2,4-Dimethylphenol | 10.92 | 122 | 219505 | 43.809 | ng | | 87 |
| 28) bis(2-Chloroethoxy)methane | 11.17 | 93 | 246458 | 36.680 | ng | # | 96 |
| 29) 2,4-Dichlorophenol | 11.44 | 162 | 179130 | 39.391 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 11.66 | 180 | 174054 | 32.652 | ng | | 98 |
| 31) Naphthalene | 11.86 | 128 | 590721 | 34.402 | ng | | 99 |
| 32) Benzoic acid | 11.02 | 122 | 11746 | 10.246 | ng | # | 81 |
| 33) 4-Chloroaniline | 11.95 | 127 | 184383 | 24.016 | ng | | 96 |
| 34) Hexachlorobutadiene | 12.13 | 225 | 92168 | 30.825 | ng | | 99 |
| 35) Caprolactam | 12.69 | 113 | 72824 | 39.994 | ng | # | 84 |
| 36) 4-Chloro-3-methylphenol | 13.01 | 107 | 212723 | 40.198 | ng | | 91 |
| 37) 2-Methylnaphthalene | 13.42 | 142 | 425031 | 34.214 | ng | | 92 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.76 | 216 | 175832 | 32.171 | ng | # | 96 |
| 40) Hexachlorocyclopentadiene | 13.74 | 237 | 202740 | 72.785 | ng | | 93 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.99 | 196 | 135582 | 39.336 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 14.06 | 196 | 154302 | 38.679 | ng | | 95 |
| 45) 1,1'-Biphenyl | 14.38 | 154 | 525109 | 32.638 | ng | | 96 |
| 46) 2-Chloronaphthalene | 14.44 | 162 | 401848 | 33.436 | ng | | 98 |
| 47) 2-Nitroaniline | 14.62 | 65 | 134607 | 45.146 | ng | # | 87 |
| 48) Acenaphthylene | 15.27 | 152 | 655593 | 33.318 | ng | | 98 |
| 49) Dimethylphthalate | 14.97 | 163 | 588964 | 37.674 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 15.09 | 165 | 114482 | 44.940 | ng | | 88 |
| 51) Acenaphthene | 15.61 | 154 | 422975 | 34.516 | ng | | 98 |
| 52) 3-Nitroaniline | 15.42 | 138 | 109316 | 36.326 | ng | # | 83 |
| 53) 2,4-Dinitrophenol | 15.62 | 184 | 54506 | 70.126 | ng | # | 1 |
| 54) Dibenzofuran | 15.93 | 168 | 607243 | 34.801 | ng | | 95 |
| 55) 4-Nitrophenol | 15.69 | 139 | 229502 | 88.794 | ng | # | 78 |
| 56) 2,4-Dinitrotoluene | 15.87 | 165 | 161513 | 52.296 | ng | | 86 |
| 57) Fluorene | 16.58 | 166 | 493692 | 34.280 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 16.14 | 232 | 132641m | 42.826 | ng | | |
| 59) Diethylphthalate | 16.31 | 149 | 561418 | 34.048 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 16.55 | 204 | 237471 | 33.707 | ng | | 94 |
| 61) 4-Nitroaniline | 16.58 | 138 | 137257 | 41.378 | ng | # | 80 |
| 62) Azobenzene | 16.85 | 77 | 506843 | 34.359 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 16.62 | 198 | 67397 | 52.446 | ng | | 96 |
| 65) n-Nitrosodiphenylamine | 16.76 | 169 | 475158 | 34.339 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 17.45 | 248 | 146433 | 32.558 | ng | # | 90 |
| 67) Hexachlorobenzene | 17.57 | 284 | 155664 | 32.027 | ng | | 94 |
| 68) Atrazine | 17.68 | 200 | 169515 | 37.218 | ng | | 95 |
| 69) Pentachlorophenol | 17.90 | 266 | 217540 | 71.058 | ng | | 99 |
| 70) Phenanthrene | 18.31 | 178 | 806282 | 33.977 | ng | | 98 |
| 71) Anthracene | 18.40 | 178 | 820946 | 34.459 | ng | | 99 |
| 72) Carbazole | 18.66 | 167 | 806824 | 34.359 | ng | | 97 |
| 73) Di-n-butylphthalate | 19.16 | 149 | 983793 | 34.150 | ng | | 99 |
| 74) Fluoranthene | 20.26 | 202 | 914574 | 34.890 | ng | | 94 |
| 76) Benzidine | 20.42 | 184 | 443713 | 31.858 | ng | | 98 |
| 77) Pyrene | 20.62 | 202 | 911668 | 31.639 | ng | | 97 |
| 79) Butylbenzylphthalate | 21.49 | 149 | 466296 | 36.499 | ng | | 93 |
| 80) Benzo(a)anthracene | 22.61 | 228 | 894295 | 34.131 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 22.49 | 252 | 264190 | 27.224 | ng | # | 97 |
| 82) Chrysene | 22.69 | 228 | 835989 | 33.401 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 22.45 | 149 | 680690 | 35.995 | ng | # | 97 |
| 84) Di-n-octyl phthalate | 23.88 | 149 | 1173322 | 40.705 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 30.88 | 276 | 1046936 | 35.866 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 25.22 | 252 | 891719 | 33.317 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 25.30 | 252 | 901037 | 33.874 | ng | # | 96 |
| 89) Benzo(a)pyrene | 26.26 | 252 | 882635 | 34.671 | ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 30.96 | 278 | 872933 | 34.067 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 32.28 | 276 | 872261 | 34.532 | ng | # | 91 |

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

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