Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083118\
Data File : BG036510.D
Acq On : 31 Aug 2018 17:49
Operator : JU/SJ
Sample : J4270-06MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** BU-02-083018MS

Quant Time: Sep 01 01:01:42 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 31 13:03:20 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.06 | 152 | 56321 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.86 | 136 | 233646 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.68 | 164 | 154999 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.43 | 188 | 410454 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.69 | 240 | 431409 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.91 | 264 | 450055 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.63 | 112 | 382297 | 107.67 | ng | | 0.00 |
| 7) Phenol-d6 | 7.22 | 99 | 511279 | 100.58 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.22 | 82 | 344403 | 79.98 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.17 | 330 | 237769 | 128.56 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.31 | 172 | 777947 | 71.66 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.04 | 244 | 1412825 | 76.55 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.55 | 88 | 55335 | 33.395 | ng | # | 93 |
| 3) Pyridine | 3.94 | 79 | 152324 | 32.751 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.85 | 42 | 82293 | 39.725 | ng | | 96 |
| 6) Aniline | 7.39 | 93 | 141520 | 21.933 | ng | | 97 |
| 8) 2-Chlorophenol | 7.63 | 128 | 160889 | 41.786 | ng | | 96 |
| 9) Benzaldehyde | 7.20 | 77 | 95276 | 27.217 | ng | | 97 |
| 10) Phenol | 7.24 | 94 | 201289 | 37.838 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.48 | 93 | 155430 | 36.854 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.95 | 146 | 167005 | 37.986 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.10 | 146 | 167137 | 37.654 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.41 | 146 | 160815 | 37.936 | ng | | 99 |
| 15) Benzyl Alcohol | 8.30 | 79 | 160236 | 39.102 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58 | 45 | 295755 | 34.774 | ng | | 98 |
| 17) 2-Methylphenol | 8.50 | 107 | 145619 | 41.225 | ng | | 97 |
| 18) Hexachloroethane | 9.15 | 117 | 60408 | 37.958 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 8.87 | 70 | 132943 | 34.993 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.83 | 107 | 200687 | 40.694 | ng | | 96 |
| 22) Acetophenone | 8.88 | 105 | 251650 | 41.016 | ng | # | 98 |
| 24) Nitrobenzene | 9.27 | 77 | 196318 | 42.277 | ng | | 98 |
| 25) Isophorone | 9.78 | 82 | 378825 | 44.283 | ng | | 99 |
| 26) 2-Nitrophenol | 9.98 | 139 | 84970 | 46.177 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 10.03 | 122 | 161349 | 47.361 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 10.27 | 93 | 219996 | 41.902 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.51 | 162 | 173816 | 46.554 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.73 | 180 | 175466 | 40.173 | ng | | 98 |
| 31) Naphthalene | 10.92 | 128 | 513584 | 43.972 | ng | | 99 |
| 32) Benzoic acid | 10.15 | 122 | 74541 | 31.238 | ng | | 98 |
| 33) 4-Chloroaniline | 11.02 | 127 | 30814 | 5.757 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.20 | 225 | 120082 | 40.919 | ng | | 97 |
| 35) Caprolactam | 11.79 | 113 | 58162 | 39.105 | ng | | 88 |
| 36) 4-Chloro-3-methylphenol | 12.13 | 107 | 192261 | 44.317 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.51 | 142 | 391922 | 45.860 | ng | | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.88 | 216 | 224601 | 40.947 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 12.86 | 237 | 264463 | 92.665 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.11 | 196 | 146959 | 43.982 ng | 100 |
| 43) 2,4,5-Trichlorophenol | 13.19 | 196 | 164434 | 46.139 ng | 98 |
| 45) 1,1'-Biphenyl | 13.52 | 154 | 514259 | 39.970 ng | 98 |
| 46) 2-Chloronaphthalene | 13.56 | 162 | 393706 | 40.083 ng | 100 |
| 47) 2-Nitroaniline | 13.76 | 65 | 140327 | 45.496 ng | 98 |
| 48) Acenaphthylene | 14.41 | 152 | 673489 | 43.874 ng | 100 |
| 49) Dimethylphthalate | 14.14 | 163 | 536420 | 42.383 ng | 99 |
| 50) 2,6-Dinitrotoluene | 14.25 | 165 | 118558 | 45.523 ng | 95 |
| 51) Acenaphthene | 14.75 | 154 | 423347 | 43.062 ng | 99 |
| 52) 3-Nitroaniline | 14.58 | 138 | 59013 | 21.027 ng | 95 |
| 53) 2,4-Dinitrophenol | 14.79 | 184 | 55426 | 56.186 ng | 95 |
| 54) Dibenzofuran | 15.08 | 168 | 645369 | 41.901 ng | 98 |
| 55) 4-Nitrophenol | 14.88 | 139 | 179680 | 78.302 ng | 96 |
| 56) 2,4-Dinitrotoluene | 15.04 | 165 | 169394 | 49.906 ng | 90 |
| 57) Fluorene | 15.73 | 166 | 516516 | 44.860 ng | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.31 | 232 | 166291 | 49.662 ng | 97 |
| 59) Diethylphthalate | 15.50 | 149 | 535331 | 41.970 ng | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.72 | 204 | 294909 | 41.479 ng | 99 |
| 61) 4-Nitroaniline | 15.75 | 138 | 131966 | 44.934 ng | 97 |
| 62) Azobenzene | 16.02 | 77 | 530117 | 40.847 ng | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 15.80 | 198 | 59592 | 33.051 ng | 97 |
| 65) n-Nitrosodiphenylamine | 15.93 | 169 | 485801 | 39.833 ng | 97 |
| 66) 4-Bromophenyl-phenylether | 16.62 | 248 | 199984 | 41.615 ng | 99 |
| 67) Hexachlorobenzene | 16.73 | 284 | 197550 | 40.202 ng | 98 |
| 68) Atrazine | 16.88 | 200 | 203359 | 44.423 ng | 98 |
| 69) Pentachlorophenol | 17.07 | 266 | 213988 | 64.075 ng | 97 |
| 70) Phenanthrene | 17.47 | 178 | 907022 | 43.489 ng | 99 |
| 71) Anthracene | 17.56 | 178 | 917774 | 44.145 ng | 99 |
| 72) Carbazole | 17.83 | 167 | 833169 | 40.128 ng | 98 |
| 73) Di-n-butylphthalate | 18.39 | 149 | 954026 | 41.263 ng | 100 |
| 74) Fluoranthene | 19.47 | 202 | 1142880 | 44.945 ng | 99 |
| 76) Benzidine | 19.65 | 184 | 190737 | 13.858 ng | 98 |
| 77) Pyrene | 19.84 | 202 | 1126081 | 42.447 ng | 98 |
| 79) Butylbenzylphthalate | 20.72 | 149 | 441408 | 41.809 ng | 95 |
| 80) Benzo(a)anthracene | 21.67 | 228 | 1145125 | 43.815 ng | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.59 | 252 | 182656 | 17.536 ng | 99 |
| 82) Chrysene | 21.74 | 228 | 1050052 | 42.387 ng | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.59 | 149 | 610035 | 41.291 ng | 100 |
| 84) Di-n-octyl phthalate | 22.80 | 149 | 1039209 | 42.112 ng | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 28.56 | 276 | 1244215 | 43.242 ng | 97 |
| 87) Benzo(b)fluoranthene | 23.89 | 252 | 1139895 | 45.611 ng | 98 |
| 88) Benzo(k)fluoranthene | 23.95 | 252 | 1119373 | 45.847 ng | 98 |
| 89) Benzo(a)pyrene | 24.75 | 252 | 1108141 | 46.143 ng | 100 |
| 90) Dibenzo(a,h)anthracene | 28.63 | 278 | 981052 | 42.316 ng | 97 |
| 91) Benzo(g,h,i)perylene | 29.69 | 276 | 995191 | 42.715 ng | 95 |

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

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