Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA G\DATA\BG030918\
Data File : BG033071.D
Acq On : 9 Mar 2018 14:21
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
3/12/2018 3:51:23 PM

Quant Time: Mar 09 16:08:25 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 06 17:38:59 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.91 | 152 | 53091 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.80 | 136 | 252845 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 15.53 | 164 | 146754 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 18.26 | 188 | 341519 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 22.61 | 240 | 313557 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 26.41 | 264 | 344186 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.32 | 112 | 258236 | 77.82 | ng | | 0.00 |
| 7) Phenol-d6 | 8.00 | 99 | 361879 | 78.24 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 10.11 | 82 | 333865 | 90.86 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 17.00 | 330 | 136430 | 88.41 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 14.16 | 172 | 726264 | 71.37 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.77 | 244 | 996070 | 71.37 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.96 | 88 | 52245 | 36.276 | ng | | 94 |
| 3) Pyridine | 4.43 | 79 | 153374 | 38.638 | ng | | 90 |
| 4) n-Nitrosodimethylamine | 4.33 | 42 | 72452 | 45.525 | ng | # | 83 |
| 6) Aniline | 8.20 | 93 | 232714 | 37.168 | ng | | 99 |
| 8) 2-Chlorophenol | 8.46 | 128 | 140557 | 38.697 | ng | | 94 |
| 9) Benzaldehyde | 8.01 | 77 | 106933 | 40.112 | ng | | 96 |
| 10) Phenol | 8.03 | 94 | 185336 | 39.748 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 8.29 | 93 | 139954 | 36.707 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 8.80 | 146 | 155609 | 36.577 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.95 | 146 | 156868 | 36.631 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 9.28 | 146 | 150839 | 36.757 | ng | | 96 |
| 15) Benzyl Alcohol | 9.14 | 79 | 134345 | 39.508 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 9.44 | 45 | 275972 | 42.104 | ng | | 99 |
| 17) 2-Methylphenol | 9.34 | 107 | 130472 | 37.946 | ng | | 94 |
| 18) Hexachloroethane | 10.04 | 117 | 55942 | 38.367 | ng | | 87 |
| 19) n-Nitroso-di-n-propylamine | 9.72 | 70 | 122793 | 37.603 | ng | # | 90 |
| 20) 3+4-Methylphenols | 9.67 | 107 | 184802 | 38.655 | ng | | 93 |
| 22) Acetophenone | 9.76 | 105 | 231169 | 36.202 | ng | # | 97 |
| 24) Nitrobenzene | 10.15 | 77 | 174774 | 43.963 | ng | | 93 |
| 25) Isophorone | 10.68 | 82 | 312740 | 35.239 | ng | | 95 |
| 26) 2-Nitrophenol | 10.88 | 139 | 79225 | 53.460 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 10.91 | 122 | 134470 | 34.879 | ng | | 92 |
| 28) bis(2-Chloroethoxy)methane | 11.15 | 93 | 178778 | 34.580 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 11.42 | 162 | 134693 | 38.494 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 11.65 | 180 | 145953 | 35.584 | ng | | 96 |
| 31) Naphthalene | 11.85 | 128 | 474543 | 35.917 | ng | | 98 |
| 32) Benzoic acid | 11.02 | 122 | 107807 | 45.841 | ng | # | 87 |
| 33) 4-Chloroaniline | 11.93 | 127 | 213704 | 36.175 | ng | | 97 |
| 34) Hexachlorobutadiene | 12.11 | 225 | 85260 | 37.059 | ng | | 98 |
| 35) Caprolactam | 12.68 | 113 | 55503 | 39.615 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 12.99 | 107 | 167554 | 41.149 | ng | | 95 |
| 37) 2-Methylnaphthalene | 13.40 | 142 | 343327 | 35.918 | ng | | 93 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.75 | 216 | 160257 | 36.786 | ng | # | 96 |
| 40) Hexachlorocyclopentadiene | 13.72 | 237 | 85353 | 38.444 | ng | | 90 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.97 | 196 | 108015 | 39.316 ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 14.04 | 196 | 128068 | 40.277 ng | | 97 |
| 45) 1,1'-Biphenyl | 14.37 | 154 | 453528 | 35.365 ng | | 94 |
| 46) 2-Chloronaphthalene | 14.43 | 162 | 338455 | 35.331 ng | | 94 |
| 47) 2-Nitroaniline | 14.60 | 65 | 128474 | 52.118 ng | | 98 |
| 48) Acenaphthylene | 15.26 | 152 | 571986 | 36.470 ng | | 99 |
| 49) Dimethylphthalate | 14.95 | 163 | 451952 | 36.270 ng | | 100 |
| 50) 2,6-Dinitrotoluene | 15.08 | 165 | 99488 | 48.194 ng | | 89 |
| 51) Acenaphthene | 15.59 | 154 | 368658 | 37.743 ng | | 98 |
| 52) 3-Nitroaniline | 15.41 | 138 | 113871 | 45.159 ng | # | 88 |
| 53) 2,4-Dinitrophenol | 15.61 | 184 | 51583 | 79.428 ng | # | 1 |
| 54) Dibenzofuran | 15.92 | 168 | 504232 | 36.255 ng | | 93 |
| 55) 4-Nitrophenol | 15.68 | 139 | 72055 | 39.267 ng | | 88 |
| 56) 2,4-Dinitrotoluene | 15.86 | 165 | 140226 | 55.733 ng | | 87 |
| 57) Fluorene | 16.56 | 166 | 418555 | 36.462 ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 16.13 | 232 | 103879m | 42.078 ng | | |
| 59) Diethylphthalate | 16.29 | 149 | 487178 | 37.068 ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 16.53 | 204 | 208839 | 37.190 ng | | 92 |
| 61) 4-Nitroaniline | 16.56 | 138 | 108828 | 41.188 ng | | 91 |
| 62) Azobenzene | 16.83 | 77 | 438516 | 37.296 ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 16.61 | 198 | 68182 | 61.532 ng | | 93 |
| 65) n-Nitrosodiphenylamine | 16.75 | 169 | 387801 | 34.905 ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 17.43 | 248 | 130034 | 36.009 ng | # | 88 |
| 67) Hexachlorobenzene | 17.56 | 284 | 140252 | 35.939 ng | # | 93 |
| 68) Atrazine | 17.66 | 200 | 128938 | 35.258 ng | | 98 |
| 69) Pentachlorophenol | 17.89 | 266 | 93514 | 38.043 ng | | 98 |
| 70) Phenanthrene | 18.30 | 178 | 678105 | 35.590 ng | | 99 |
| 71) Anthracene | 18.39 | 178 | 681269 | 35.615 ng | | 99 |
| 72) Carbazole | 18.64 | 167 | 650188 | 34.485 ng | | 97 |
| 73) Di-n-butylphthalate | 19.14 | 149 | 835352 | 36.115 ng | | 99 |
| 74) Fluoranthene | 20.25 | 202 | 758703 | 36.048 ng | | 95 |
| 76) Benzidine | 20.41 | 184 | 354397 | 33.158 ng | | 97 |
| 77) Pyrene | 20.61 | 202 | 775060 | 35.051 ng | | 97 |
| 79) Butylbenzylphthalate | 21.46 | 149 | 383060 | 39.073 ng | | 94 |
| 80) Benzo(a)anthracene | 22.59 | 228 | 726869 | 36.150 ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 22.47 | 252 | 263532 | 35.388 ng | # | 97 |
| 82) Chrysene | 22.67 | 228 | 698292 | 36.356 ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 22.41 | 149 | 554706 | 38.224 ng | | 95 |
| 84) Di-n-octyl phthalate | 23.82 | 149 | 886276 | 40.067 ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 30.84 | 276 | 777400 | 34.705 ng | # | 95 |
| 87) Benzo(b)fluoranthene | 25.19 | 252 | 730517 | 35.896 ng | # | 97 |
| 88) Benzo(k)fluoranthene | 25.27 | 252 | 726208 | 35.906 ng | # | 97 |
| 89) Benzo(a)pyrene | 26.23 | 252 | 692322 | 35.767 ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 30.91 | 278 | 611073 | 31.364 ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 32.22 | 276 | 637220 | 33.178 ng | # | 92 |

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

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