Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080218\
Data File : BG036070.D
Acq On : 2 Aug 2018 22:42
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
8/3/2018 12:58:38 PM

Quant Time: Aug 03 09:06:19 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 31 12:30:06 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.02 | 152 | 32206 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.82 | 136 | 135845 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.64 | 164 | 103749 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.39 | 188 | 290046 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.65 | 240 | 323092 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.85 | 264 | 322883 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 146785 | 75.67 | ng | | 0.00 |
| 7) Phenol-d6 | 7.19 | 99 | 227237 | 78.51 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.19 | 82 | 249401 | 76.70 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.14 | 330 | 117859 | 86.19 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.27 | 172 | 602175 | 77.76 | ng | | 0.00 |
| 78) Terphenyl-d14 | 19.99 | 244 | 1114816 | 76.06 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 34475 | 34.918 | ng | # | 69 |
| 3) Pyridine | 3.92 | 79 | 91309 | 35.426 | ng | # | 72 |
| 4) n-Nitrosodimethylamine | 3.83 | 42 | 39575 | 35.759 | ng | # | 82 |
| 6) Aniline | 7.35 | 93 | 139581 | 37.208 | ng | | 96 |
| 8) 2-Chlorophenol | 7.59 | 128 | 80884 | 40.997 | ng | | 93 |
| 9) Benzaldehyde | 7.16 | 77 | 64305 | 36.211 | ng | | 97 |
| 10) Phenol | 7.22 | 94 | 115308 | 39.435 | ng | | 92 |
| 11) bis(2-Chloroethyl)ether | 7.44 | 93 | 88675 | 38.724 | ng | | 85 |
| 12) 1,3-Dichlorobenzene | 7.91 | 146 | 95669 | 40.155 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.06 | 146 | 98026 | 40.494 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 8.38 | 146 | 93501 | 40.207 | ng | | 93 |
| 15) Benzyl Alcohol | 8.26 | 79 | 97377 | 37.050 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.55 | 45 | 67636 | 35.230 | ng | | 76 |
| 17) 2-Methylphenol | 8.46 | 107 | 78109 | 39.289 | ng | # | 92 |
| 18) Hexachloroethane | 9.10 | 117 | 36053 | 38.952 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 8.83 | 70 | 89584 | 36.757 | ng | # | 84 |
| 20) 3+4-Methylphenols | 8.79 | 107 | 112697 | 40.862 | ng | | 95 |
| 22) Acetophenone | 8.84 | 105 | 159362 | 37.724 | ng | # | 92 |
| 24) Nitrobenzene | 9.23 | 77 | 123163 | 37.661 | ng | | 95 |
| 25) Isophorone | 9.74 | 82 | 224539 | 37.197 | ng | | 99 |
| 26) 2-Nitrophenol | 9.94 | 139 | 50878 | 43.805 | ng | # | 85 |
| 27) 2,4-Dimethylphenol | 10.00 | 122 | 77126 | 39.229 | ng | | 90 |
| 28) bis(2-Chloroethoxy)methane | 10.23 | 93 | 124005 | 37.280 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.48 | 162 | 92637 | 41.277 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.68 | 180 | 111113 | 40.376 | ng | | 97 |
| 31) Naphthalene | 10.87 | 128 | 279624 | 39.516 | ng | | 100 |
| 32) Benzoic acid | 10.17 | 122 | 34562m | 26.114 | ng | | |
| 33) 4-Chloroaniline | 10.98 | 127 | 118359 | 38.376 | ng | # | 87 |
| 34) Hexachlorobutadiene | 11.15 | 225 | 87051 | 40.565 | ng | | 96 |
| 35) Caprolactam | 11.78 | 113 | 36453 | 37.850 | ng | # | 67 |
| 36) 4-Chloro-3-methylphenol | 12.11 | 107 | 122131 | 40.599 | ng | | 91 |
| 37) 2-Methylnaphthalene | 12.48 | 142 | 216157 | 41.001 | ng | | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.84 | 216 | 151167 | 38.604 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 12.82 | 237 | 69592 | 33.887 | ng | | 91 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.08 | 196 | 91857 | 40.112 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 13.16 | 196 | 98403 | 38.411 | ng | | 96 |
| 45) 1,1'-Biphenyl | 13.48 | 154 | 310623 | 38.617 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.52 | 162 | 243613 | 38.937 | ng | | 99 |
| 47) 2-Nitroaniline | 13.73 | 65 | 84376 | 38.146 | ng | | 88 |
| 48) Acenaphthylene | 14.37 | 152 | 409316 | 39.055 | ng | | 97 |
| 49) Dimethylphthalate | 14.10 | 163 | 355464 | 39.105 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.22 | 165 | 77939 | 42.105 | ng | | 96 |
| 51) Acenaphthene | 14.71 | 154 | 253205 | 38.783 | ng | | 99 |
| 52) 3-Nitroaniline | 14.55 | 138 | 76098 | 40.223 | ng | # | 95 |
| 53) 2,4-Dinitrophenol | 14.77 | 184 | 27370m | 32.970 | ng | | |
| 54) Dibenzofuran | 15.04 | 168 | 409646 | 39.453 | ng | | 93 |
| 55) 4-Nitrophenol | 14.87 | 139 | 44091m | 32.724 | ng | | |
| 56) 2,4-Dinitrotoluene | 15.01 | 165 | 112648 | 42.419 | ng | | 89 |
| 57) Fluorene | 15.69 | 166 | 348425 | 40.037 | ng | | 95 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.27 | 232 | 99803 | 40.632 | ng | # | 94 |
| 59) Diethylphthalate | 15.46 | 149 | 362283 | 38.760 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 15.68 | 204 | 203076 | 39.703 | ng | | 97 |
| 61) 4-Nitroaniline | 15.72 | 138 | 80069 | 40.459 | ng | # | 75 |
| 62) Azobenzene | 15.98 | 77 | 345644 | 37.490 | ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 15.78 | 198 | 60610 | 37.539 | ng | | 83 |
| 65) n-Nitrosodiphenylamine | 15.90 | 169 | 324690 | 39.329 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 16.58 | 248 | 137306 | 40.804 | ng | | 95 |
| 67) Hexachlorobenzene | 16.70 | 284 | 141925 | 40.956 | ng | | 95 |
| 68) Atrazine | 16.85 | 200 | 118876 | 34.972 | ng | | 98 |
| 69) Pentachlorophenol | 17.05 | 266 | 69510m | 32.932 | ng | | |
| 70) Phenanthrene | 17.43 | 178 | 563142 | 38.910 | ng | | 100 |
| 71) Anthracene | 17.52 | 178 | 562197 | 39.012 | ng | | 98 |
| 72) Carbazole | 17.79 | 167 | 524214 | 38.303 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.34 | 149 | 613517 | 37.935 | ng | # | 98 |
| 74) Fluoranthene | 19.44 | 202 | 747418 | 38.340 | ng | | 96 |
| 76) Benzidine | 19.62 | 184 | 338156 | 39.810 | ng | | 98 |
| 77) Pyrene | 19.80 | 202 | 755170 | 36.965 | ng | | 97 |
| 79) Butylbenzylphthalate | 20.68 | 149 | 290773 | 39.801 | ng | # | 94 |
| 80) Benzo(a)anthracene | 21.63 | 228 | 771065 | 38.296 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.55 | 252 | 282338 | 40.217 | ng | | 98 |
| 82) Chrysene | 21.70 | 228 | 714651 | 38.303 | ng | | 96 |
| 83) Bis(2-ethylhexyl)phthalate | 21.53 | 149 | 402252 | 40.500 | ng | | 99 |
| 84) Di-n-octyl phthalate | 22.73 | 149 | 682016 | 41.011 | ng | # | 94 |
| 85) Indeno(1,2,3-cd)pyrene | 28.48 | 276 | 816654 | 39.534 | ng | # | 89 |
| 87) Benzo(b)fluoranthene | 23.84 | 252 | 732854 | 37.343 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 23.90 | 252 | 736282 | 38.376 | ng | # | 96 |
| 89) Benzo(a)pyrene | 24.70 | 252 | 702193 | 38.461 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 28.54 | 278 | 685211 | 38.229 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 29.63 | 276 | 677436 | 38.623 | ng | # | 93 |

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

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