Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
Data File : BG035987.D
Acq On : 30 Jul 2018 23:28
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
7/31/2018 12:20:58 PM

Quant Time: Jul 31 01:43:57 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 25 11:04:14 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.02 | 152 | 34008 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.82 | 136 | 143607 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.65 | 164 | 106288 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.39 | 188 | 281763 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.65 | 240 | 293526 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.85 | 264 | 292463 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 147999 | 72.25 | ng | | 0.00 |
| 7) Phenol-d6 | 7.19 | 99 | 228571 | 74.79 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.18 | 82 | 258638 | 75.24 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.14 | 330 | 109300 | 78.02 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.27 | 172 | 608899 | 76.75 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.00 | 244 | 1037624 | 77.92 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 35088 | 33.656 | ng | # | 70 |
| 3) Pyridine | 3.91 | 79 | 95772 | 35.188 | ng | # | 70 |
| 4) n-Nitrosodimethylamine | 3.83 | 42 | 37869 | 32.404 | ng | # | 71 |
| 6) Aniline | 7.35 | 93 | 143201 | 36.151 | ng | | 99 |
| 8) 2-Chlorophenol | 7.59 | 128 | 80893 | 38.829 | ng | | 94 |
| 9) Benzaldehyde | 7.17 | 77 | 62759 | 33.468 | ng | | 95 |
| 10) Phenol | 7.22 | 94 | 116125 | 37.610 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.44 | 93 | 91353 | 37.779 | ng | | 85 |
| 12) 1,3-Dichlorobenzene | 7.91 | 146 | 96222 | 38.247 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 8.06 | 146 | 96804 | 37.871 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.38 | 146 | 94740 | 38.581 | ng | | 96 |
| 15) Benzyl Alcohol | 8.26 | 79 | 101612 | 36.613 | ng | | 90 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.54 | 45 | 72241 | 35.635 | ng | | 78 |
| 17) 2-Methylphenol | 8.47 | 107 | 79941 | 38.080 | ng | # | 92 |
| 18) Hexachloroethane | 9.10 | 117 | 37407 | 38.274 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 8.83 | 70 | 91201 | 35.438 | ng | # | 87 |
| 20) 3+4-Methylphenols | 8.80 | 107 | 112426 | 38.604 | ng | | 86 |
| 22) Acetophenone | 8.84 | 105 | 165351 | 37.026 | ng | # | 93 |
| 24) Nitrobenzene | 9.22 | 77 | 125625 | 36.337 | ng | | 96 |
| 25) Isophorone | 9.75 | 82 | 230653 | 36.144 | ng | | 97 |
| 26) 2-Nitrophenol | 9.94 | 139 | 51188 | 41.690 | ng | # | 91 |
| 27) 2,4-Dimethylphenol | 9.99 | 122 | 80838 | 38.895 | ng | | 92 |
| 28) bis(2-Chloroethoxy)methane | 10.23 | 93 | 132853 | 37.782 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.48 | 162 | 96287 | 40.585 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.69 | 180 | 117139 | 40.265 | ng | | 92 |
| 31) Naphthalene | 10.88 | 128 | 285705 | 38.193 | ng | | 98 |
| 32) Benzoic acid | 10.17 | 122 | 24367m | 17.416 | ng | | |
| 33) 4-Chloroaniline | 10.99 | 127 | 122444 | 37.555 | ng | | 94 |
| 34) Hexachlorobutadiene | 11.16 | 225 | 91030 | 40.127 | ng | | 98 |
| 35) Caprolactam | 11.77 | 113 | 35410 | 34.779 | ng | # | 61 |
| 36) 4-Chloro-3-methylphenol | 12.11 | 107 | 120298 | 37.828 | ng | | 100 |
| 37) 2-Methylnaphthalene | 12.48 | 142 | 220741 | 39.608 | ng | | 92 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.84 | 216 | 151948 | 37.876 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 12.82 | 237 | 69806 | 33.179 | ng | | 89 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.08 | 196 | 92468 | 39.414 | ng | | 95 |
| 43) 2,4,5-Trichlorophenol | 13.16 | 196 | 103116 | 39.290 | ng | | 91 |
| 45) 1,1'-Biphenyl | 13.48 | 154 | 317500 | 38.529 | ng | | 96 |
| 46) 2-Chloronaphthalene | 13.52 | 162 | 243808 | 38.037 | ng | | 97 |
| 47) 2-Nitroaniline | 13.73 | 65 | 83361 | 36.787 | ng | | 93 |
| 48) Acenaphthylene | 14.37 | 152 | 414117 | 38.569 | ng | | 98 |
| 49) Dimethylphthalate | 14.10 | 163 | 349938 | 37.578 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.22 | 165 | 78166 | 41.219 | ng | | 94 |
| 51) Acenaphthene | 14.71 | 154 | 257832 | 38.548 | ng | | 98 |
| 52) 3-Nitroaniline | 14.55 | 138 | 72975 | 37.651 | ng | # | 97 |
| 53) 2,4-Dinitrophenol | 14.77 | 184 | 17151 | 22.723 | ng | # | 73 |
| 54) Dibenzofuran | 15.05 | 168 | 411951 | 38.727 | ng | | 95 |
| 55) 4-Nitrophenol | 14.88 | 139 | 40591 | 29.407 | ng | # | 79 |
| 56) 2,4-Dinitrotoluene | 15.01 | 165 | 113682 | 41.786 | ng | # | 86 |
| 57) Fluorene | 15.69 | 166 | 344584 | 38.650 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.28 | 232 | 93867 | 37.303 | ng | | 95 |
| 59) Diethylphthalate | 15.46 | 149 | 354279 | 36.998 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 15.68 | 204 | 204158 | 38.961 | ng | | 96 |
| 61) 4-Nitroaniline | 15.72 | 138 | 75306 | 37.143 | ng | # | 78 |
| 62) Azobenzene | 15.97 | 77 | 338187 | 35.805 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 15.77 | 198 | 57945 | 36.944 | ng | | 88 |
| 65) n-Nitrosodiphenylamine | 15.90 | 169 | 314725 | 39.242 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 16.58 | 248 | 134442 | 41.127 | ng | | 95 |
| 67) Hexachlorobenzene | 16.70 | 284 | 138323 | 41.090 | ng | | 96 |
| 68) Atrazine | 16.84 | 200 | 116972 | 35.424 | ng | | 95 |
| 69) Pentachlorophenol | 17.04 | 266 | 58537 | 28.548 | ng | | 98 |
| 70) Phenanthrene | 17.43 | 178 | 543223 | 38.637 | ng | | 97 |
| 71) Anthracene | 17.53 | 178 | 545729 | 38.982 | ng | | 99 |
| 72) Carbazole | 17.80 | 167 | 494320 | 37.181 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.35 | 149 | 584672 | 37.214 | ng | | 98 |
| 74) Fluoranthene | 19.44 | 202 | 699178 | 36.919 | ng | | 97 |
| 76) Benzidine | 19.62 | 184 | 191467 | 24.811 | ng | | 98 |
| 77) Pyrene | 19.80 | 202 | 716374 | 38.598 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.68 | 149 | 262348 | 39.527 | ng | | 98 |
| 80) Benzo(a)anthracene | 21.63 | 228 | 699181 | 38.224 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.55 | 252 | 248387 | 38.945 | ng | | 98 |
| 82) Chrysene | 21.70 | 228 | 657548 | 38.792 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.53 | 149 | 359825 | 39.878 | ng | | 99 |
| 84) Di-n-octyl phthalate | 22.73 | 149 | 623862 | 41.293 | ng | # | 93 |
| 85) Indeno(1,2,3-cd)pyrene | 28.49 | 276 | 729059 | 38.849 | ng | # | 89 |
| 87) Benzo(b)fluoranthene | 23.83 | 252 | 659382 | 37.094 | ng | # | 97 |
| 88) Benzo(k)fluoranthene | 23.90 | 252 | 677544 | 38.988 | ng | # | 98 |
| 89) Benzo(a)pyrene | 24.70 | 252 | 633290 | 38.295 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 28.55 | 278 | 609592 | 37.547 | ng | # | 97 |
| 91) Benzo(g,h,i)perylene | 29.63 | 276 | 590731 | 37.183 | ng | # | 92 |

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

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