Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG073018\
Data File : BG035984.D
Acq On : 30 Jul 2018 20:13
Operator : JU/SJ
Sample : PB111523BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB111523BS

**Manual Integrations APPROVED**
Sohil
7/31/2018 12:20:51 PM

Quant Time: Jul 31 01:48:42 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 | 31414 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.83 | 136 | 124847 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.65 | 164 | 96757 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.39 | 188 | 276220 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.66 | 240 | 308316 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.85 | 264 | 298887 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 237949 | 125.76 | ng | | 0.00 |
| 7) Phenol-d6 | 7.20 | 99 | 356579 | 126.31 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.18 | 82 | 231439 | 77.44 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.14 | 330 | 173468 | 136.02 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.27 | 172 | 542619 | 75.13 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.00 | 244 | 1159994 | 82.93 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.51 | 88 | 25247 | 26.216 | ng | # | 77 |
| 3) Pyridine | 3.91 | 79 | 71584 | 28.473 | ng | # | 76 |
| 4) n-Nitrosodimethylamine | 3.82 | 42 | 32925 | 30.500 | ng | # | 80 |
| 6) Aniline | 7.35 | 93 | 96628 | 26.408 | ng | | 97 |
| 8) 2-Chlorophenol | 7.59 | 128 | 78651 | 40.870 | ng | | 98 |
| 9) Benzaldehyde | 7.17 | 77 | 58505 | 33.776 | ng | | 97 |
| 10) Phenol | 7.22 | 94 | 114960 | 40.307 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.44 | 93 | 75657 | 33.872 | ng | | 87 |
| 12) 1,3-Dichlorobenzene | 7.91 | 146 | 84026 | 36.157 | ng | | 94 |
| 13) 1,4-Dichlorobenzene | 8.06 | 146 | 86716 | 36.725 | ng | | 89 |
| 14) 1,2-Dichlorobenzene | 8.38 | 146 | 82605 | 36.417 | ng | | 99 |
| 15) Benzyl Alcohol | 8.26 | 79 | 88501 | 34.522 | ng | | 89 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.55 | 45 | 87408 | 46.677 | ng | | 81 |
| 17) 2-Methylphenol | 8.46 | 107 | 79308 | 40.898 | ng | # | 88 |
| 18) Hexachloroethane | 9.10 | 117 | 33176 | 36.748 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.82 | 70 | 74788 | 31.460 | ng | # | 80 |
| 20) 3+4-Methylphenols | 8.79 | 107 | 106347 | 39.532 | ng | | 93 |
| 22) Acetophenone | 8.85 | 105 | 136754 | 35.224 | ng | # | 91 |
| 24) Nitrobenzene | 9.23 | 77 | 111883 | 37.225 | ng | | 93 |
| 25) Isophorone | 9.74 | 82 | 210816 | 38.000 | ng | | 100 |
| 26) 2-Nitrophenol | 9.94 | 139 | 44917 | 42.079 | ng | # | 89 |
| 27) 2,4-Dimethylphenol | 10.00 | 122 | 81547 | 45.131 | ng | | 91 |
| 28) bis(2-Chloroethoxy)methane | 10.23 | 93 | 113551 | 37.145 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.48 | 162 | 92136 | 44.670 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.69 | 180 | 99048 | 39.162 | ng | | 95 |
| 31) Naphthalene | 10.87 | 128 | 246103 | 37.842 | ng | | 98 |
| 32) Benzoic acid | 10.17 | 122 | 22159m | 18.217 | ng | | |
| 33) 4-Chloroaniline | 10.99 | 127 | 49809 | 17.573 | ng | # | 92 |
| 34) Hexachlorobutadiene | 11.15 | 225 | 75379 | 38.221 | ng | | 99 |
| 35) Caprolactam | 11.76 | 113 | 33724m | 38.101 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.11 | 107 | 115490 | 41.773 | ng | | 93 |
| 37) 2-Methylnaphthalene | 12.48 | 142 | 197054 | 40.671 | ng | | 94 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.85 | 216 | 134644 | 36.869 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 12.82 | 237 | 150865 | 78.771 | ng | | 91 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.09 | 196 | 86761 | 40.625 ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 13.16 | 196 | 96478 | 40.381 ng | | 94 |
| 45) 1,1'-Biphenyl | 13.48 | 154 | 279986 | 37.324 ng | | 99 |
| 46) 2-Chloronaphthalene | 13.53 | 162 | 223071 | 38.230 ng | | 98 |
| 47) 2-Nitroaniline | 13.73 | 65 | 79540 | 38.558 ng | | 100 |
| 48) Acenaphthylene | 14.37 | 152 | 378452 | 38.719 ng | | 97 |
| 49) Dimethylphthalate | 14.10 | 163 | 312234 | 36.832 ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.22 | 165 | 72899 | 42.228 ng | | 94 |
| 51) Acenaphthene | 14.71 | 154 | 212643 | 34.924 ng | | 98 |
| 52) 3-Nitroaniline | 14.56 | 138 | 46430 | 26.315 ng | # | 96 |
| 53) 2,4-Dinitrophenol | 14.76 | 184 | 39630 | 47.551 ng | # | 65 |
| 54) Dibenzofuran | 15.04 | 168 | 372259 | 38.443 ng | | 93 |
| 55) 4-Nitrophenol | 14.87 | 139 | 99910 | 79.512 ng | # | 86 |
| 56) 2,4-Dinitrotoluene | 15.01 | 165 | 109335 | 44.147 ng | | 90 |
| 57) Fluorene | 15.70 | 166 | 315630 | 38.889 ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.27 | 232 | 101833 | 44.455 ng | | 93 |
| 59) Diethylphthalate | 15.46 | 149 | 328082 | 37.637 ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.68 | 204 | 181092 | 37.963 ng | | 96 |
| 61) 4-Nitroaniline | 15.72 | 138 | 75366 | 40.835 ng | # | 76 |
| 62) Azobenzene | 15.98 | 77 | 328690 | 38.228 ng | | 94 |
| 64) 4,6-Dinitro-2-methylphenol | 15.78 | 198 | 53631 | 34.879 ng | | 81 |
| 65) n-Nitrosodiphenylamine | 15.90 | 169 | 285625 | 36.329 ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 16.58 | 248 | 123325 | 38.484 ng | | 91 |
| 67) Hexachlorobenzene | 16.70 | 284 | 130479 | 39.537 ng | # | 91 |
| 68) Atrazine | 16.85 | 200 | 138311 | 42.727 ng | | 95 |
| 69) Pentachlorophenol | 17.05 | 266 | 111377 | 55.409 ng | | 97 |
| 70) Phenanthrene | 17.43 | 178 | 548271 | 39.779 ng | | 99 |
| 71) Anthracene | 17.52 | 178 | 562278 | 40.970 ng | | 97 |
| 72) Carbazole | 17.80 | 167 | 512584 | 39.328 ng | | 98 |
| 73) Di-n-butylphthalate | 18.34 | 149 | 589963 | 38.305 ng | # | 98 |
| 74) Fluoranthene | 19.44 | 202 | 733411 | 39.504 ng | | 97 |
| 76) Benzidine | 19.62 | 184 | 258654 | 31.910 ng | | 98 |
| 77) Pyrene | 19.80 | 202 | 733111 | 37.605 ng | | 98 |
| 79) Butylbenzylphthalate | 20.68 | 149 | 276834 | 39.709 ng | | 96 |
| 80) Benzo(a)anthracene | 21.63 | 228 | 745828 | 38.818 ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.55 | 252 | 181850 | 27.145 ng | # | 99 |
| 82) Chrysene | 21.70 | 228 | 700167 | 39.325 ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.53 | 149 | 375054 | 39.572 ng | | 99 |
| 84) Di-n-octyl phthalate | 22.73 | 149 | 641531 | 40.426 ng | # | 92 |
| 85) Indeno(1,2,3-cd)pyrene | 28.49 | 276 | 773637 | 39.247 ng | # | 85 |
| 87) Benzo(b)fluoranthene | 23.84 | 252 | 694097 | 38.208 ng | # | 96 |
| 88) Benzo(k)fluoranthene | 23.90 | 252 | 704659 | 39.677 ng | # | 98 |
| 89) Benzo(a)pyrene | 24.70 | 252 | 682852 | 40.404 ng | # | 97 |
| 90) Dibenzo(a,h)anthracene | 28.55 | 278 | 644151 | 38.823 ng | | 95 |
| 91) Benzo(g,h,i)perylene | 29.63 | 276 | 640240 | 39.433 ng | # | 93 |

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

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