Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091418\
Data File : BG036710.D
Acq On : 14 Sep 2018 18:03
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
9/17/2018 2:36:05 PM

Quant Time: Sep 15 02:21:33 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 | 8.05 | 152 | 59847 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.86 | 136 | 268816 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 14.67 | 164 | 179775 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 17.42 | 188 | 444511 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 21.69 | 240 | 423976 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.89 | 264 | 444309 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 290684 | 77.05 | ng | | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 421957 | 78.12 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 9.21 | 82 | 424894 | 85.76 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 16.17 | 330 | 196554 | 91.63 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.30 | 172 | 986926 | 78.38 | ng | | -0.01 |
| 78) Terphenyl-d14 | 20.03 | 244 | 1450562 | 79.97 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.53 | 88 | 59664 | 33.887 | ng | | 99 |
| 3) Pyridine | 3.93 | 79 | 189713 | 38.386 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.84 | 42 | 78392 | 35.612 | ng | | 97 |
| 6) Aniline | 7.38 | 93 | 267472 | 39.011 | ng | | 97 |
| 8) 2-Chlorophenol | 7.61 | 128 | 158685 | 38.786 | ng | | 97 |
| 9) Benzaldehyde | 7.19 | 77 | 133879 | 35.992 | ng | | 98 |
| 10) Phenol | 7.24 | 94 | 219339 | 38.802 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.47 | 93 | 171063 | 38.171 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.94 | 146 | 177305 | 37.953 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.09 | 146 | 182454 | 38.683 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.41 | 146 | 172764 | 38.354 | ng | | 99 |
| 15) Benzyl Alcohol | 8.29 | 79 | 169552 | 38.937 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58 | 45 | 326061 | 36.078 | ng | | 98 |
| 17) 2-Methylphenol | 8.49 | 107 | 146007 | 38.899 | ng | | 99 |
| 18) Hexachloroethane | 9.13 | 117 | 67543 | 39.941 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 8.86 | 70 | 158818 | 39.341 | ng | | 92 |
| 20) 3+4-Methylphenols | 8.82 | 107 | 213195 | 40.684 | ng | | 96 |
| 22) Acetophenone | 8.87 | 105 | 266383 | 37.737 | ng | # | 98 |
| 24) Nitrobenzene | 9.26 | 77 | 218012 | 40.806 | ng | | 99 |
| 25) Isophorone | 9.77 | 82 | 389525 | 39.576 | ng | | 99 |
| 26) 2-Nitrophenol | 9.97 | 139 | 105760 | 49.955 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 10.02 | 122 | 145282 | 37.066 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93 | 233643 | 38.679 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 10.50 | 162 | 182083 | 42.388 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.72 | 180 | 200479 | 39.895 | ng | | 98 |
| 31) Naphthalene | 10.91 | 128 | 519340 | 38.648 | ng | | 99 |
| 32) Benzoic acid | 10.09 | 122 | 23694m | 11.872 | ng | | |
| 33) 4-Chloroaniline | 11.01 | 127 | 247120 | 40.131 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.19 | 225 | 139300 | 41.258 | ng | | 95 |
| 35) Caprolactam | 11.79 | 113 | 72791 | 42.537 | ng | | 100 |
| 36) 4-Chloro-3-methylphenol | 12.12 | 107 | 209206 | 41.914 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.51 | 142 | 394164 | 40.088 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.87 | 216 | 252617 | 39.707 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 12.85 | 237 | 142984 | 43.195 | ng | | 96 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.11 | 196 | 169047 | 43.620 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.18 | 196 | 177691 | 42.987 | ng | | 98 |
| 45) 1,1'-Biphenyl | 13.51 | 154 | 569014 | 38.131 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.56 | 162 | 440285 | 38.648 | ng | | 100 |
| 47) 2-Nitroaniline | 13.75 | 65 | 157268 | 43.962 | ng | | 97 |
| 48) Acenaphthylene | 14.40 | 152 | 683895 | 38.412 | ng | | 99 |
| 49) Dimethylphthalate | 14.13 | 163 | 584103 | 39.790 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.25 | 165 | 129133 | 42.750 | ng | | 95 |
| 51) Acenaphthene | 14.74 | 154 | 420715 | 36.896 | ng | | 97 |
| 52) 3-Nitroaniline | 14.58 | 138 | 145277 | 44.630 | ng | | 95 |
| 53) 2,4-Dinitrophenol | 14.78 | 184 | 43261 | 37.810 | ng | | 96 |
| 54) Dibenzofuran | 15.07 | 168 | 688367 | 38.533 | ng | | 99 |
| 55) 4-Nitrophenol | 14.87 | 139 | 118166 | 44.398 | ng | | 99 |
| 56) 2,4-Dinitrotoluene | 15.03 | 165 | 182339 | 46.316 | ng | | 91 |
| 57) Fluorene | 15.72 | 166 | 513563 | 38.456 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.30 | 232 | 172315 | 44.369 | ng | | 96 |
| 59) Diethylphthalate | 15.49 | 149 | 572160 | 38.675 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.71 | 204 | 332394 | 40.308 | ng | | 98 |
| 61) 4-Nitroaniline | 15.74 | 138 | 144547 | 42.435 | ng | | 96 |
| 62) Azobenzene | 16.01 | 77 | 558611 | 37.111 | ng | | 97 |
| 64) 4,6-Dinitro-2-methylphenol | 15.80 | 198 | 93028 | 47.642 | ng | | 99 |
| 65) n-Nitrosodiphenylamine | 15.93 | 169 | 515024 | 38.993 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.61 | 248 | 214243 | 41.166 | ng | | 100 |
| 67) Hexachlorobenzene | 16.73 | 284 | 218746 | 41.105 | ng | | 97 |
| 68) Atrazine | 16.87 | 200 | 169951 | 34.281 | ng | | 99 |
| 69) Pentachlorophenol | 17.07 | 266 | 132630 | 36.671 | ng | | 97 |
| 70) Phenanthrene | 17.47 | 178 | 863907 | 38.248 | ng | | 99 |
| 71) Anthracene | 17.55 | 178 | 862244 | 38.296 | ng | | 99 |
| 72) Carbazole | 17.82 | 167 | 851431 | 37.866 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.38 | 149 | 925097 | 36.946 | ng | | 99 |
| 74) Fluoranthene | 19.47 | 202 | 1022424 | 37.128 | ng | | 100 |
| 76) Benzidine | 19.65 | 184 | 552548 | 40.849 | ng | | 99 |
| 77) Pyrene | 19.83 | 202 | 1024502 | 39.295 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.71 | 149 | 417698 | 40.257 | ng | | 97 |
| 80) Benzo(a)anthracene | 21.67 | 228 | 991645 | 38.608 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.58 | 252 | 401429 | 39.215 | ng | | 98 |
| 82) Chrysene | 21.73 | 228 | 948648 | 38.965 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.57 | 149 | 563833 | 38.833 | ng | | 97 |
| 84) Di-n-octyl phthalate | 22.78 | 149 | 945900 | 39.003 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 28.54 | 276 | 1104619 | 39.063 | ng | # | 95 |
| 87) Benzo(b)fluoranthene | 23.88 | 252 | 940568 | 38.122 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 23.95 | 252 | 952345 | 39.510 | ng | | 99 |
| 89) Benzo(a)pyrene | 24.74 | 252 | 934896 | 39.433 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 28.61 | 278 | 901561 | 39.390 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 29.67 | 276 | 909607 | 39.547 | ng | | 97 |

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

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