Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080918\
Data File : BG036253.D
Acq On : 10 Aug 2018 4:46
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
8/10/2018 4:01:53 PM

Quant Time: Aug 10 13:18:45 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 | 8.00 | 152 | 39881 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.81 | 136 | 158315 | 20.00 | ng | | -0.03 |
| 38) Acenaphthene-d10 | 14.64 | 164 | 111502 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 17.38 | 188 | 305696 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 21.64 | 240 | 321745 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 24.83 | 264 | 315030 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 178181 | 74.18 | ng | | 0.00 |
| 7) Phenol-d6 | 7.19 | 99 | 266121 | 74.25 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.17 | 82 | 290529 | 76.66 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 16.13 | 330 | 130876 | 89.05 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 13.26 | 172 | 664633 | 79.86 | ng | | -0.02 |
| 78) Terphenyl-d14 | 19.99 | 244 | 1150083 | 78.79 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 39569m | 32.365 | ng | | |
| 3) Pyridine | 3.92 | 79 | 110741 | 34.696 | ng | # | 67 |
| 4) n-Nitrosodimethylamine | 3.83 | 42 | 46223 | 33.728 | ng | # | 81 |
| 6) Aniline | 7.34 | 93 | 160151 | 34.476 | ng | | 98 |
| 8) 2-Chlorophenol | 7.58 | 128 | 93643 | 38.330 | ng | | 97 |
| 9) Benzaldehyde | 7.15 | 77 | 79603 | 36.199 | ng | | 98 |
| 10) Phenol | 7.21 | 94 | 136762 | 37.771 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 7.43 | 93 | 103203 | 36.395 | ng | | 88 |
| 12) 1,3-Dichlorobenzene | 7.90 | 146 | 114429 | 38.786 | ng | # | 93 |
| 13) 1,4-Dichlorobenzene | 8.04 | 146 | 117966 | 39.353 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.36 | 146 | 112328 | 39.007 | ng | | 95 |
| 15) Benzyl Alcohol | 8.25 | 79 | 118999 | 36.564 | ng | | 90 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.53 | 45 | 76995 | 32.387 | ng | | 71 |
| 17) 2-Methylphenol | 8.46 | 107 | 93484 | 37.974 | ng | # | 87 |
| 18) Hexachloroethane | 9.09 | 117 | 44595 | 38.909 | ng | # | 85 |
| 19) n-Nitroso-di-n-propylamine | 8.82 | 70 | 101684 | 33.693 | ng | # | 85 |
| 20) 3+4-Methylphenols | 8.79 | 107 | 129005 | 37.774 | ng | | 91 |
| 22) Acetophenone | 8.83 | 105 | 180098 | 36.582 | ng | # | 94 |
| 24) Nitrobenzene | 9.21 | 77 | 142693 | 37.440 | ng | | 96 |
| 25) Isophorone | 9.74 | 82 | 252041 | 35.827 | ng | | 97 |
| 26) 2-Nitrophenol | 9.93 | 139 | 60871 | 44.970 | ng | # | 85 |
| 27) 2,4-Dimethylphenol | 9.98 | 122 | 89120 | 38.896 | ng | | 87 |
| 28) bis(2-Chloroethoxy)methane | 10.21 | 93 | 139701 | 36.038 | ng | | 95 |
| 29) 2,4-Dichlorophenol | 10.47 | 162 | 110223 | 42.142 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.67 | 180 | 133116 | 41.506 | ng | | 97 |
| 31) Naphthalene | 10.86 | 128 | 315647 | 38.275 | ng | | 98 |
| 32) Benzoic acid | 10.17 | 122 | 36548 | 23.695 | ng | | 94 |
| 33) 4-Chloroaniline | 10.97 | 127 | 136844 | 38.072 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.14 | 225 | 111650 | 44.644 | ng | | 97 |
| 35) Caprolactam | 11.78 | 113 | 36610 | 32.617 | ng | # | 65 |
| 36) 4-Chloro-3-methylphenol | 12.10 | 107 | 135291 | 38.590 | ng | | 93 |
| 37) 2-Methylnaphthalene | 12.46 | 142 | 238742 | 38.858 | ng | # | 90 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.83 | 216 | 175728 | 41.756 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 12.80 | 237 | 83436 | 37.803 | ng | | 93 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.07 | 196 | 103607 | 42.097 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 13.16 | 196 | 112690 | 40.930 | ng | | 99 |
| 45) 1,1'-Biphenyl | 13.47 | 154 | 335587 | 38.820 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.51 | 162 | 264786 | 39.378 | ng | | 98 |
| 47) 2-Nitroaniline | 13.72 | 65 | 92241 | 38.802 | ng | | 97 |
| 48) Acenaphthylene | 14.35 | 152 | 437217 | 38.816 | ng | | 96 |
| 49) Dimethylphthalate | 14.09 | 163 | 371240 | 38.001 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 14.21 | 165 | 82049 | 41.244 | ng | | 93 |
| 51) Acenaphthene | 14.70 | 154 | 265927 | 37.900 | ng | | 99 |
| 52) 3-Nitroaniline | 14.55 | 138 | 75748 | 37.254 | ng | # | 93 |
| 53) 2,4-Dinitrophenol | 14.75 | 184 | 36255 | 39.106 | ng | # | 71 |
| 54) Dibenzofuran | 15.03 | 168 | 432523 | 38.760 | ng | | 93 |
| 55) 4-Nitrophenol | 14.87 | 139 | 48792 | 33.695 | ng | # | 87 |
| 56) 2,4-Dinitrotoluene | 15.00 | 165 | 118358 | 41.470 | ng | # | 88 |
| 57) Fluorene | 15.68 | 166 | 359805 | 38.470 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.27 | 232 | 106235 | 40.243 | ng | # | 93 |
| 59) Diethylphthalate | 15.45 | 149 | 370031 | 36.836 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.67 | 204 | 220620 | 40.133 | ng | | 97 |
| 61) 4-Nitroaniline | 15.71 | 138 | 72380 | 34.031 | ng | # | 73 |
| 62) Azobenzene | 15.96 | 77 | 348254 | 35.147 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 15.77 | 198 | 69244 | 40.691 | ng | | 87 |
| 65) n-Nitrosodiphenylamine | 15.89 | 169 | 331783 | 38.131 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 16.56 | 248 | 144199 | 40.658 | ng | | 97 |
| 67) Hexachlorobenzene | 16.69 | 284 | 149499 | 40.933 | ng | | 94 |
| 68) Atrazine | 16.83 | 200 | 123013 | 34.337 | ng | | 95 |
| 69) Pentachlorophenol | 17.04 | 266 | 71912m | 32.326 | ng | | |
| 70) Phenanthrene | 17.42 | 178 | 578011 | 37.893 | ng | | 98 |
| 71) Anthracene | 17.52 | 178 | 569496 | 37.495 | ng | | 98 |
| 72) Carbazole | 17.79 | 167 | 526598 | 36.508 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.33 | 149 | 626483 | 36.754 | ng | # | 97 |
| 74) Fluoranthene | 19.43 | 202 | 760350 | 37.006 | ng | | 97 |
| 76) Benzidine | 19.61 | 184 | 305815 | 36.154 | ng | | 98 |
| 77) Pyrene | 19.79 | 202 | 764563 | 37.581 | ng | | 97 |
| 79) Butylbenzylphthalate | 20.67 | 149 | 290198 | 39.889 | ng | # | 96 |
| 80) Benzo(a)anthracene | 21.62 | 228 | 756205 | 37.715 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.54 | 252 | 271879 | 38.889 | ng | # | 96 |
| 82) Chrysene | 21.69 | 228 | 712357 | 38.340 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.52 | 149 | 402267 | 40.671 | ng | | 99 |
| 84) Di-n-octyl phthalate | 22.71 | 149 | 667916 | 40.332 | ng | # | 93 |
| 85) Indeno(1,2,3-cd)pyrene | 28.47 | 276 | 775950 | 37.721 | ng | # | 84 |
| 87) Benzo(b)fluoranthene | 23.82 | 252 | 711492 | 37.159 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 23.89 | 252 | 726104 | 38.789 | ng | # | 97 |
| 89) Benzo(a)pyrene | 24.68 | 252 | 685820 | 38.500 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 28.52 | 278 | 657057 | 37.572 | ng | # | 93 |
| 91) Benzo(g,h,i)perylene | 29.60 | 276 | 648585 | 37.900 | ng | # | 93 |

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

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