Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071818\
Data File : BG035737.D
Acq On : 19 Jul 2018 4:11
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
7/19/2018 3:45:28 PM

Quant Time: Jul 19 07:11:28 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 18 17:45:13 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.04 | 152 | 46532 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.84 | 136 | 189070 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.66 | 164 | 127744 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.41 | 188 | 337921 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.67 | 240 | 379019 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.88 | 264 | 367459 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 221089 | 78.88 | ng | | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 330333 | 79.00 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.20 | 82 | 341888 | 75.54 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.15 | 330 | 139801 | 83.03 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.29 | 172 | 765175 | 80.25 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.01 | 244 | 1304746 | 75.88 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.54 | 88 | 51704 | 36.245 | ng | # | 73 |
| 3) Pyridine | 3.93 | 79 | 142854 | 38.360 | ng | # | 76 |
| 4) n-Nitrosodimethylamine | 3.85 | 42 | 56439 | 35.296 | ng | # | 77 |
| 6) Aniline | 7.36 | 93 | 203624 | 37.569 | ng | | 97 |
| 8) 2-Chlorophenol | 7.61 | 128 | 114917 | 40.314 | ng | | 96 |
| 9) Benzaldehyde | 7.18 | 77 | 94311 | 36.757 | ng | | 97 |
| 10) Phenol | 7.23 | 94 | 168627 | 39.914 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 7.46 | 93 | 130184 | 39.348 | ng | | 89 |
| 12) 1,3-Dichlorobenzene | 7.93 | 146 | 136215 | 39.571 | ng | | 94 |
| 13) 1,4-Dichlorobenzene | 8.07 | 146 | 138421 | 39.577 | ng | | 93 |
| 14) 1,2-Dichlorobenzene | 8.39 | 146 | 132400 | 39.405 | ng | | 99 |
| 15) Benzyl Alcohol | 8.28 | 79 | 143004 | 37.659 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.56 | 45 | 124166m | 44.764 | ng | | |
| 17) 2-Methylphenol | 8.48 | 107 | 110437 | 38.448 | ng | | 94 |
| 18) Hexachloroethane | 9.12 | 117 | 52343 | 39.141 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.84 | 70 | 124554 | 35.372 | ng | # | 83 |
| 20) 3+4-Methylphenols | 8.82 | 107 | 159198 | 39.952 | ng | | 95 |
| 22) Acetophenone | 8.86 | 105 | 222058 | 37.768 | ng | # | 91 |
| 24) Nitrobenzene | 9.24 | 77 | 173391 | 38.094 | ng | | 97 |
| 25) Isophorone | 9.76 | 82 | 306933 | 36.532 | ng | | 99 |
| 26) 2-Nitrophenol | 9.95 | 139 | 70995 | 43.918 | ng | | 92 |
| 27) 2,4-Dimethylphenol | 10.01 | 122 | 107259 | 39.198 | ng | | 87 |
| 28) bis(2-Chloroethoxy)methane | 10.24 | 93 | 177177 | 38.271 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.50 | 162 | 127271 | 40.745 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 10.71 | 180 | 156286 | 40.803 | ng | | 92 |
| 31) Naphthalene | 10.89 | 128 | 377996 | 38.380 | ng | | 97 |
| 32) Benzoic acid | 10.15 | 122 | 36814 | 19.985 | ng | # | 81 |
| 33) 4-Chloroaniline | 11.00 | 127 | 164924 | 38.421 | ng | # | 95 |
| 34) Hexachlorobutadiene | 11.18 | 225 | 118982 | 39.837 | ng | | 93 |
| 35) Caprolactam | 11.78 | 113 | 47101 | 35.138 | ng | # | 76 |
| 36) 4-Chloro-3-methylphenol | 12.12 | 107 | 156823 | 37.456 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.49 | 142 | 286527 | 39.050 | ng | # | 92 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.86 | 216 | 194797 | 40.402 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 12.84 | 237 | 102558 | 40.559 | ng | | 89 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.10 | 196 | 121453 | 43.074 | ng | | 94 |
| 43) 2,4,5-Trichlorophenol | 13.18 | 196 | 129787 | 41.146 | ng | | 97 |
| 45) 1,1'-Biphenyl | 13.50 | 154 | 401758 | 40.566 | ng | | 97 |
| 46) 2-Chloronaphthalene | 13.54 | 162 | 311872 | 40.483 | ng | | 99 |
| 47) 2-Nitroaniline | 13.74 | 65 | 108883 | 39.979 | ng | | 97 |
| 48) Acenaphthylene | 14.39 | 152 | 510586 | 39.566 | ng | | 97 |
| 49) Dimethylphthalate | 14.12 | 163 | 430568 | 38.470 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.24 | 165 | 93956 | 41.224 | ng | | 92 |
| 51) Acenaphthene | 14.72 | 154 | 314929 | 39.177 | ng | | 98 |
| 52) 3-Nitroaniline | 14.57 | 138 | 92521 | 39.718 | ng | # | 96 |
| 54) Dibenzofuran | 15.06 | 168 | 501606 | 39.235 | ng | | 92 |
| 55) 4-Nitrophenol | 14.89 | 139 | 58688 | 35.376 | ng | # | 82 |
| 56) 2,4-Dinitrotoluene | 15.02 | 165 | 139478 | 42.657 | ng | # | 85 |
| 57) Fluorene | 15.71 | 166 | 422975 | 39.474 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.29 | 232 | 121569 | 40.197 | ng | # | 92 |
| 59) Diethylphthalate | 15.48 | 149 | 443308 | 38.520 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.70 | 204 | 248468 | 39.452 | ng | | 97 |
| 61) 4-Nitroaniline | 15.74 | 138 | 97233 | 39.903 | ng | # | 83 |
| 62) Azobenzene | 15.99 | 77 | 422630 | 37.230 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 15.79 | 198 | 29703 | 15.790 | ng | # | 75 |
| 65) n-Nitrosodiphenylamine | 15.92 | 169 | 396277 | 41.200 | ng | | 94 |
| 66) 4-Bromophenyl-phenylether | 16.59 | 248 | 159036 | 40.566 | ng | | 95 |
| 67) Hexachlorobenzene | 16.72 | 284 | 168254 | 41.675 | ng | | 92 |
| 68) Atrazine | 16.86 | 200 | 156245 | 39.454 | ng | | 95 |
| 69) Pentachlorophenol | 17.06 | 266 | 100336 | 40.802 | ng | | 95 |
| 70) Phenanthrene | 17.45 | 178 | 673491 | 39.942 | ng | | 99 |
| 71) Anthracene | 17.54 | 178 | 670485 | 39.934 | ng | | 97 |
| 72) Carbazole | 17.81 | 167 | 632983 | 39.698 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.36 | 149 | 751120 | 39.863 | ng | # | 98 |
| 74) Fluoranthene | 19.45 | 202 | 890315 | 39.199 | ng | | 98 |
| 76) Benzidine | 19.64 | 184 | 336861 | 33.806 | ng | | 95 |
| 77) Pyrene | 19.82 | 202 | 902869 | 37.673 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.70 | 149 | 344005 | 40.139 | ng | | 96 |
| 80) Benzo(a)anthracene | 21.65 | 228 | 904082 | 38.277 | ng | | 100 |
| 81) 3,3'-Dichlorobenzidine | 21.57 | 252 | 331473 | 40.249 | ng | | 96 |
| 82) Chrysene | 21.72 | 228 | 849746 | 38.823 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.55 | 149 | 478985 | 41.110 | ng | | 100 |
| 84) Di-n-octyl phthalate | 22.76 | 149 | 813691 | 41.709 | ng | # | 93 |
| 85) Indeno(1,2,3-cd)pyrene | 28.55 | 276 | 960973 | 39.656 | ng | # | 94 |
| 87) Benzo(b)fluoranthene | 23.87 | 252 | 853042 | 38.195 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 23.93 | 252 | 873255 | 39.994 | ng | # | 97 |
| 89) Benzo(a)pyrene | 24.73 | 252 | 812678 | 39.113 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 28.60 | 278 | 811786 | 39.796 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 29.69 | 276 | 792714 | 39.713 | ng | # | 95 |

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

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