Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG120418\
Data File : BG038327.D
Acq On : 4 Dec 2018 13:22
Operator : JU/SJ
Sample : SSTDICCC040
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**
mohammad
12/6/2018 10:32:47 AM

Quant Time: Dec 04 14:14:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 04 13:58:38 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.07 | 152 | 42136 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.89 | 136 | 167330 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.71 | 164 | 104314 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.46 | 188 | 240648 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.74 | 240 | 230515 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.05 | 264 | 249368 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 188388 | 77.19 | ng | | 0.00 |
| 7) Phenol-d6 | 7.22 | 99 | 279246 | 80.16 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.25 | 82 | 282149 | 90.26 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.20 | 330 | 107110 | 90.03 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.33 | 172 | 583738 | 81.52 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.06 | 244 | 832038 | 84.93 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.51 | 88 | 40483 | 35.119 | ng | | 96 |
| 3) Pyridine | 3.91 | 79 | 130823 | 39.785 | ng | | 92 |
| 4) n-Nitrosodimethylamine | 3.83 | 42 | 56051 | 46.985 | ng | # | 99 |
| 6) Aniline | 7.40 | 93 | 178750 | 39.757 | ng | | 99 |
| 8) 2-Chlorophenol | 7.63 | 128 | 110882 | 39.157 | ng | | 96 |
| 9) Benzaldehyde | 7.21 | 77 | 83101 | 32.986 | ng | | 97 |
| 10) Phenol | 7.25 | 94 | 147114 | 39.869 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.49 | 93 | 122642 | 40.712 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 7.96 | 146 | 131138 | 40.199 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.11 | 146 | 132304 | 40.148 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.43 | 146 | 121574 | 38.642 | ng | | 100 |
| 15) Benzyl Alcohol | 8.31 | 79 | 109383 | 43.394 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.59 | 45 | 250563 | 44.794 | ng | | 98 |
| 17) 2-Methylphenol | 8.51 | 107 | 97449 | 39.063 | ng | | 97 |
| 18) Hexachloroethane | 9.15 | 117 | 48858 | 40.738 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.88 | 70 | 93439 | 37.069 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.83 | 107 | 136581 | 38.621 | ng | | 95 |
| 22) Acetophenone | 8.91 | 105 | 168205 | 40.402 | ng | # | 95 |
| 24) Nitrobenzene | 9.29 | 77 | 142864 | 44.678 | ng | | 97 |
| 25) Isophorone | 9.81 | 82 | 334116 | 59.385 | ng | | 97 |
| 26) 2-Nitrophenol | 10.00 | 139 | 77905 | 48.802 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 10.05 | 122 | 108875 | 45.267 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 10.29 | 93 | 150839 | 41.926 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.53 | 162 | 110100 | 40.696 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.75 | 180 | 123588 | 40.766 | ng | | 98 |
| 31) Naphthalene | 10.94 | 128 | 326210 | 39.636 | ng | | 99 |
| 32) Benzoic acid | 10.20 | 122 | 68192m | 55.238 | ng | | |
| 33) 4-Chloroaniline | 11.06 | 127 | 149513 | 39.054 | ng | | 100 |
| 34) Hexachlorobutadiene | 11.20 | 225 | 79958 | 42.854 | ng | | 98 |
| 35) Caprolactam | 11.85 | 113 | 43959 | 40.595 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 12.16 | 107 | 122540 | 41.460 | ng | | 100 |
| 37) 2-Methylnaphthalene | 12.54 | 142 | 234889 | 39.733 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.76 | 142 | 226452 | 39.795 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.90 | 216 | 146592 | 42.055 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.87 | 237 | 85778 | 45.956 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 13.14 | 196 | 98562 | 41.495 | ng | | 100 |
| 44) 2,4,5-Trichlorophenol | 13.22 | 196 | 101338 | 40.548 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.55 | 154 | 349178 | 39.844 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.59 | 162 | 263183 | 39.356 | ng | | 99 |
| 48) 2-Nitroaniline | 13.81 | 65 | 91248 | 43.355 | ng | | 97 |
| 49) Acenaphthylene | 14.43 | 152 | 406993 | 40.472 | ng | | 99 |
| 50) Dimethylphthalate | 14.16 | 163 | 340211 | 41.139 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.29 | 165 | 78934 | 42.173 | ng | | 98 |
| 52) Acenaphthene | 14.77 | 154 | 240607 | 39.743 | ng | | 99 |
| 53) 3-Nitroaniline | 14.63 | 138 | 84911 | 41.113 | ng | # | 96 |
| 54) 2,4-Dinitrophenol | 14.83 | 184 | 43431 | 55.072 | ng | # | 84 |
| 55) Dibenzofuran | 15.11 | 168 | 403913 | 40.348 | ng | | 98 |
| 56) 4-Nitrophenol | 14.92 | 139 | 66172 | 41.542 | ng | | 92 |
| 57) 2,4-Dinitrotoluene | 15.07 | 165 | 107977 | 42.401 | ng | | 96 |
| 58) Fluorene | 15.76 | 166 | 302961 | 40.561 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.33 | 232 | 89835 | 42.957 | ng | | 98 |
| 60) Diethylphthalate | 15.52 | 149 | 365834 | 41.649 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.74 | 204 | 180607 | 41.324 | ng | | 98 |
| 62) 4-Nitroaniline | 15.79 | 138 | 83627 | 40.760 | ng | | 90 |
| 63) Azobenzene | 16.04 | 77 | 327037 | 41.642 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 15.84 | 198 | 68385 | 44.928 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.96 | 169 | 295247 | 40.554 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.64 | 248 | 114056 | 43.181 | ng | | 97 |
| 68) Hexachlorobenzene | 16.75 | 284 | 116621 | 42.775 | ng | | 95 |
| 69) Atrazine | 16.90 | 200 | 110535 | 41.187 | ng | | 100 |
| 70) Pentachlorophenol | 17.10 | 266 | 81728 | 44.138 | ng | | 91 |
| 71) Phenanthrene | 17.50 | 178 | 498817 | 40.486 | ng | | 98 |
| 72) Anthracene | 17.59 | 178 | 495061 | 40.762 | ng | | 100 |
| 73) Carbazole | 17.87 | 167 | 498596 | 40.918 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.39 | 149 | 602417 | 44.042 | ng | | 98 |
| 75) Fluoranthene | 19.50 | 202 | 616264 | 43.840 | ng | | 99 |
| 77) Benzidine | 19.69 | 184 | 317529 | 39.256 | ng | | 99 |
| 78) Pyrene | 19.87 | 202 | 616691 | 40.918 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.74 | 149 | 260435 | 39.514 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.72 | 228 | 573350 | 41.159 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.64 | 252 | 230209 | 42.424 | ng | | 100 |
| 83) Chrysene | 21.79 | 228 | 545545 | 40.932 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.59 | 149 | 382691 | 40.715 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.82 | 149 | 670733 | 44.109 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.85 | 276 | 638129 | 43.108 | ng | # | 95 |
| 88) Benzo(b)fluoranthene | 23.99 | 252 | 551639 | 40.199 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.06 | 252 | 547219 | 40.412 | ng | | 100 |
| 90) Benzo(a)pyrene | 24.89 | 252 | 632475 | 48.227 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.91 | 278 | 536099 | 42.485 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 30.05 | 276 | 494391 | 39.404 | ng | # | 94 |

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

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