Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010620\
Data File : BG043943.D
Acq On : 6 Jan 2020 22:49
Operator : JU
Sample : IDOC-W-02-CG
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** IDOC-W-02-CG

**Manual Integrations APPROVED**
mohammad
1/7/2020 12:30:57 PM

Quant Time: Jan 07 07:08:39 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.96 | 152 | 108173 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.76 | 136 | 480952 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.59 | 164 | 322988 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.34 | 188 | 705809 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.59 | 240 | 619145 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 24.71 | 264 | 696086 | 20.00 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.54 | 112 | 817370 | 138.74 | ng | 0.00 |
| 7) Phenol-d6 | 7.13 | 99 | 1084369 | 131.68 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.12 | 82 | 686436 | 76.35 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.08 | 330 | 416581 | 123.25 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.22 | 172 | 1483772 | 83.23 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.95 | 244 | 2140052 | 82.75 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.43 | 88 | 113673 | 44.252 | ng | 100 |
| 3) Pyridine | 3.82 | 79 | 281363 | 37.077 | ng | 97 |
| 4) n-Nitrosodimethylamine | 3.74 | 42 | 147474 | 43.650 | ng | 98 |
| 6) Aniline | 7.28 | 93 | 370866 | 34.287 | ng | 97 |
| 8) 2-Chlorophenol | 7.53 | 128 | 352218 | 50.925 | ng | 99 |
| 9) Benzaldehyde | 7.09 | 77 | 206398 | 39.160 | ng | 99 |
| 10) Phenol | 7.15 | 94 | 437048 | 51.510 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 7.38 | 93 | 322972 | 44.098 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.85 | 146 | 356260 | 44.018 | ng | 97 |
| 13) 1,4-Dichlorobenzene | 7.99 | 146 | 357621 | 44.782 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 8.32 | 146 | 337271 | 44.001 | ng | 99 |
| 15) Benzyl Alcohol | 8.19 | 79 | 300145 | 46.181 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.49 | 45 | 460834 | 40.670 | ng | 99 |
| 17) 2-Methylphenol | 8.40 | 107 | 303265 | 49.391 | ng | 97 |
| 18) Hexachloroethane | 9.04 | 117 | 133656 | 43.013 | ng | 96 |
| 19) n-Nitroso-di-n-propylamine | 8.76 | 70 | 258196 | 42.101 | ng | 97 |
| 20) 3+4-Methylphenols | 8.73 | 107 | 426979 | 49.848 | ng | 95 |
| 22) Acetophenone | 8.77 | 105 | 481034 | 40.231 | ng | 99 |
| 24) Nitrobenzene | 9.16 | 77 | 375079 | 42.123 | ng | 99 |
| 25) Isophorone | 9.69 | 82 | 701298 | 41.578 | ng | 99 |
| 26) 2-Nitrophenol | 9.87 | 139 | 192706 | 45.743 | ng | 97 |
| 27) 2,4-Dimethylphenol | 9.94 | 122 | 338194 | 53.330 | ng | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.17 | 93 | 453702 | 40.347 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.41 | 162 | 349223 | 46.167 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.63 | 180 | 346062 | 40.802 | ng | 97 |
| 31) Naphthalene | 10.81 | 128 | 1023703 | 43.985 | ng | 100 |
| 32) Benzoic acid | 10.07 | 122 | 137749 | 29.456 | ng | 95 |
| 33) 4-Chloroaniline | 10.91 | 127 | 269759 | 24.301 | ng | 98 |
| 34) Hexachlorobutadiene | 11.11 | 225 | 200441 | 38.707 | ng | 99 |
| 35) Caprolactam | 11.68 | 113 | 130697m | 46.413 | ng | |
| 36) 4-Chloro-3-methylphenol | 12.04 | 107 | 372447 | 46.251 | ng | 97 |
| 37) 2-Methylnaphthalene | 12.42 | 142 | 773271 | 44.131 | ng | 97 |
| 38) 1-Methylnaphthalene | 12.63 | 142 | 731817 | 44.067 | ng | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.79 | 216 | 364919 | 38.547 | ng | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.78 | 237 | 482924 | 98.396 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.02 | 196 | 278285 | 42.722 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 13.10 | 196 | 301468 | 44.872 | ng | | 100 |
| 46) 1,1'-Biphenyl | 13.43 | 154 | 968037 | 41.802 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.47 | 162 | 763134 | 40.781 | ng | | 98 |
| 48) 2-Nitroaniline | 13.66 | 65 | 244626 | 40.639 | ng | | 99 |
| 49) Acenaphthylene | 14.32 | 152 | 1200582 | 44.638 | ng | | 98 |
| 50) Dimethylphthalate | 14.05 | 163 | 972168 | 42.391 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.16 | 165 | 225914 | 43.583 | ng | | 99 |
| 52) Acenaphthene | 14.66 | 154 | 850265 | 45.079 | ng | | 98 |
| 53) 3-Nitroaniline | 14.49 | 138 | 183622 | 31.195 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 14.69 | 184 | 200376 | 76.161 | ng | | 97 |
| 55) Dibenzofuran | 14.99 | 168 | 1148527 | 44.233 | ng | | 99 |
| 56) 4-Nitrophenol | 14.80 | 139 | 437887 | 97.077 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 14.94 | 165 | 319622 | 45.316 | ng | | 99 |
| 58) Fluorene | 15.64 | 166 | 907222 | 44.082 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.22 | 232 | 265425 | 45.945 | ng | | 97 |
| 60) Diethylphthalate | 15.41 | 149 | 998819 | 43.544 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.63 | 204 | 471483 | 42.191 | ng | | 99 |
| 62) 4-Nitroaniline | 15.65 | 138 | 244760 | 42.107 | ng | | 94 |
| 63) Azobenzene | 15.93 | 77 | 935283 | 43.967 | ng | | 100 |
| 65) 4,6-Dinitro-2-methylphenol | 15.71 | 198 | 163899 | 45.338 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 15.85 | 169 | 863998 | 41.568 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.52 | 248 | 311828 | 39.282 | ng | | 99 |
| 68) Hexachlorobenzene | 16.65 | 284 | 331362 | 38.739 | ng | | 97 |
| 69) Atrazine | 16.79 | 200 | 335922 | 49.720 | ng | | 99 |
| 70) Pentachlorophenol | 16.99 | 266 | 374908 | 79.510 | ng | | 100 |
| 71) Phenanthrene | 17.38 | 178 | 1459689 | 43.117 | ng | | 99 |
| 72) Anthracene | 17.47 | 178 | 1510271 | 45.140 | ng | | 99 |
| 73) Carbazole | 17.73 | 167 | 1370742 | 44.353 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.30 | 149 | 1677972 | 42.525 | ng | | 99 |
| 75) Fluoranthene | 19.39 | 202 | 1694985 | 43.779 | ng | | 100 |
| 77) Benzidine | 19.56 | 184 | 855058 | 54.943 | ng | | 99 |
| 78) Pyrene | 19.74 | 202 | 1703077 | 42.141 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.64 | 149 | 805566 | 41.868 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.57 | 228 | 1656380 | 43.145 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.48 | 252 | 508342 | 33.515 | ng | | 99 |
| 83) Chrysene | 21.63 | 228 | 1559884 | 42.761 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.50 | 149 | 1120301 | 42.198 | ng | | 100 |
| 85) Di-n-octyl phthalate | 22.68 | 149 | 1941461 | 43.499 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.25 | 276 | 2023759 | 40.822 | ng | # | 88 |
| 88) Benzo(b)fluoranthene | 23.72 | 252 | 1762207 | 42.823 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.79 | 252 | 1698697 | 43.410 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.56 | 252 | 1643140 | 42.306 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.32 | 278 | 1673528 | 42.904 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.36 | 276 | 1666452 | 43.010 | ng | | 98 |

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

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