Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010620\
Data File : BG043944.D
Acq On : 6 Jan 2020 23:28
Operator : JU
Sample : IDOC-W-03-CG
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** IDOC-W-03-CG

**Manual Integrations APPROVED**
mohammad
1/7/2020 12:31:00 PM

Quant Time: Jan 07 07:09:52 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 | 110673 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.76 | 136 | 491779 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.59 | 164 | 326120 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.34 | 188 | 722652 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.59 | 240 | 629536 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.71 | 264 | 705741 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.54 | 112 | 822682 | 136.49 | ng | | 0.00 |
| 7) Phenol-d6 | 7.13 | 99 | 1098502 | 130.38 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.12 | 82 | 702194 | 76.38 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.08 | 330 | 423861 | 124.20 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.22 | 172 | 1522007 | 84.56 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.95 | 244 | 2177137 | 82.81 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.43 | 88 | 111975 | 42.606 | ng | | 98 |
| 3) Pyridine | 3.82 | 79 | 283463 | 36.510 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.74 | 42 | 151093 | 43.711 | ng | | 98 |
| 6) Aniline | 7.28 | 93 | 376398 | 34.012 | ng | | 98 |
| 8) 2-Chlorophenol | 7.53 | 128 | 354295 | 50.069 | ng | | 99 |
| 9) Benzaldehyde | 7.09 | 77 | 207709 | 38.518 | ng | | 99 |
| 10) Phenol | 7.15 | 94 | 442477 | 50.972 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.38 | 93 | 334552 | 44.647 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.85 | 146 | 362258 | 43.748 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.99 | 146 | 364012 | 44.553 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.32 | 146 | 344461 | 43.924 | ng | | 99 |
| 15) Benzyl Alcohol | 8.19 | 79 | 309106 | 46.485 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.49 | 45 | 471184 | 40.644 | ng | | 99 |
| 17) 2-Methylphenol | 8.40 | 107 | 307833 | 49.003 | ng | | 97 |
| 18) Hexachloroethane | 9.04 | 117 | 136934 | 43.072 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.77 | 70 | 266884 | 42.535 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.73 | 107 | 431987 | 49.294 | ng | | 96 |
| 22) Acetophenone | 8.78 | 105 | 495504 | 40.529 | ng | # | 98 |
| 24) Nitrobenzene | 9.16 | 77 | 378515 | 41.573 | ng | | 99 |
| 25) Isophorone | 9.69 | 82 | 727055 | 42.156 | ng | | 98 |
| 26) 2-Nitrophenol | 9.87 | 139 | 198833 | 46.158 | ng | | 100 |
| 27) 2,4-Dimethylphenol | 9.94 | 122 | 347040 | 53.520 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.17 | 93 | 467784 | 40.684 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.41 | 162 | 355611 | 45.977 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.63 | 180 | 356514 | 41.109 | ng | | 99 |
| 31) Naphthalene | 10.81 | 128 | 1040340 | 43.716 | ng | | 99 |
| 32) Benzoic acid | 10.06 | 122 | 137887 | 28.968 | ng | | 93 |
| 33) 4-Chloroaniline | 10.91 | 127 | 279807 | 24.651 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.11 | 225 | 209519 | 39.569 | ng | | 95 |
| 35) Caprolactam | 11.68 | 113 | 134426m | 46.686 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.04 | 107 | 385306 | 46.795 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.42 | 142 | 786480 | 43.897 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.63 | 142 | 751766 | 44.272 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.79 | 216 | 376228 | 39.360 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.78 | 237 | 495968 | 100.084 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.02 | 196 | 284773 | 43.298 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 13.10 | 196 | 311084 | 45.859 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.43 | 154 | 1001403 | 42.827 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.47 | 162 | 778679 | 41.212 | ng | | 99 |
| 48) 2-Nitroaniline | 13.66 | 65 | 251017 | 41.301 | ng | | 97 |
| 49) Acenaphthylene | 14.32 | 152 | 1225211 | 45.116 | ng | | 98 |
| 50) Dimethylphthalate | 14.04 | 163 | 1001620 | 43.256 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.16 | 165 | 232972 | 44.513 | ng | | 98 |
| 52) Acenaphthene | 14.66 | 154 | 790993 | 41.533 | ng | | 99 |
| 53) 3-Nitroaniline | 14.49 | 138 | 183636 | 30.898 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 14.69 | 184 | 203477 | 76.566 | ng | | 99 |
| 55) Dibenzofuran | 14.99 | 168 | 1178991 | 44.970 | ng | | 100 |
| 56) 4-Nitrophenol | 14.80 | 139 | 443629 | 97.406 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 14.94 | 165 | 327403 | 45.974 | ng | | 96 |
| 58) Fluorene | 15.64 | 166 | 935980 | 45.043 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.22 | 232 | 271131 | 46.482 | ng | | 97 |
| 60) Diethylphthalate | 15.41 | 149 | 1024049 | 44.216 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.63 | 204 | 486402 | 43.108 | ng | | 100 |
| 62) 4-Nitroaniline | 15.65 | 138 | 252581 | 43.035 | ng | | 98 |
| 63) Azobenzene | 15.92 | 77 | 960049 | 44.698 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.71 | 198 | 166906 | 45.118 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 15.85 | 169 | 896091 | 42.107 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.52 | 248 | 316841 | 38.983 | ng | | 99 |
| 68) Hexachlorobenzene | 16.65 | 284 | 343825 | 39.259 | ng | | 99 |
| 69) Atrazine | 16.79 | 200 | 347538 | 50.240 | ng | | 99 |
| 70) Pentachlorophenol | 16.99 | 266 | 379316 | 78.570 | ng | | 98 |
| 71) Phenanthrene | 17.38 | 178 | 1484971 | 42.841 | ng | | 100 |
| 72) Anthracene | 17.47 | 178 | 1545274 | 45.110 | ng | | 99 |
| 73) Carbazole | 17.73 | 167 | 1400700 | 44.266 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.30 | 149 | 1715952 | 42.474 | ng | | 99 |
| 75) Fluoranthene | 19.39 | 202 | 1711920 | 43.186 | ng | | 99 |
| 77) Benzidine | 19.56 | 184 | 844795 | 53.388 | ng | | 99 |
| 78) Pyrene | 19.74 | 202 | 1722628 | 41.921 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.64 | 149 | 809811 | 41.394 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.57 | 228 | 1665862 | 42.675 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.48 | 252 | 517077 | 33.528 | ng | | 99 |
| 83) Chrysene | 21.63 | 228 | 1574614 | 42.452 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.49 | 149 | 1144006 | 42.380 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.68 | 149 | 1966818 | 43.340 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.26 | 276 | 2008617 | 39.848 | ng | # | 89 |
| 88) Benzo(b)fluoranthene | 23.72 | 252 | 1776943 | 42.590 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.79 | 252 | 1712474 | 43.163 | ng | | 100 |
| 90) Benzo(a)pyrene | 24.57 | 252 | 1646395 | 41.810 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.32 | 278 | 1682364 | 42.541 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 29.36 | 276 | 1665075 | 42.387 | ng | | 97 |

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

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