Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021419\
Data File : BG039512.D
Acq On : 14 Feb 2019 18:40
Operator : JU/SJ
Sample : K1349-06MS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** OR-01-021319-AMS

**Manual Integrations APPROVED**
Sohil
2/15/2019 9:44:34 AM

Quant Time: Feb 15 04:41:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 29 15:41:51 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.17 | 152 | 52627 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 11.00 | 136 | 242305 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 14.80 | 164 | 167227 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.54 | 188 | 392907 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.83 | 240 | 397008 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 25.21 | 264 | 415017 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.72 | 112 | 460869 | 149.88 | ng | | 0.00 |
| 7) Phenol-d6 | 7.32 | 99 | 607681 | 134.26 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.35 | 82 | 447579 | 115.40 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 16.28 | 330 | 298784 | 165.92 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.42 | 172 | 1061096 | 91.03 | ng | | -0.01 |
| 79) Terphenyl-d14 | 20.13 | 244 | 1633403 | 87.09 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.61 | 88 | 47100 | 35.018 | ng | # | 3 |
| 3) Pyridine | 4.02 | 79 | 136116 | 38.223 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.93 | 42 | 73022 | 41.002 | ng | | 86 |
| 6) Aniline | 7.50 | 93 | 43254 | 7.629 | ng | | 98 |
| 8) 2-Chlorophenol | 7.74 | 128 | 172154 | 51.219 | ng | | 95 |
| 9) Benzaldehyde | 7.31 | 77 | 137473 | 85.857 | ng | | 99 |
| 10) Phenol | 7.35 | 94 | 196540 | 41.656 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 7.59 | 93 | 164646 | 44.162 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 8.06 | 146 | 173901 | 42.709 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.21 | 146 | 179204 | 44.156 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.53 | 146 | 173166 | 44.076 | ng | | 99 |
| 15) Benzyl Alcohol | 8.41 | 79 | 174193 | 49.021 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.69 | 45 | 315016 | 37.416 | ng | | 98 |
| 17) 2-Methylphenol | 8.61 | 107 | 152129 | 49.825 | ng | | 97 |
| 18) Hexachloroethane | 9.26 | 117 | 61690 | 44.182 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 8.98 | 70 | 137732 | 42.874 | ng | | 93 |
| 20) 3+4-Methylphenols | 8.94 | 107 | 210901 | 50.161 | ng | | 98 |
| 22) Acetophenone | 9.00 | 105 | 268874 | 41.310 | ng | # | 95 |
| 24) Nitrobenzene | 9.39 | 77 | 207415 | 49.500 | ng | | 96 |
| 25) Isophorone | 9.91 | 82 | 398534 | 46.368 | ng | | 98 |
| 26) 2-Nitrophenol | 10.10 | 139 | 103955 | 58.946 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 10.15 | 122 | 184688 | 53.118 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.39 | 93 | 240303 | 45.391 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 10.64 | 162 | 205295 | 54.025 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.85 | 180 | 192065 | 45.019 | ng | | 98 |
| 31) Naphthalene | 11.04 | 128 | 562576 | 46.801 | ng | | 99 |
| 32) Benzoic acid | 10.25 | 122 | 66366m | 32.692 | ng | | |
| 33) 4-Chloroaniline | 11.15 | 127 | 10224 | 1.834 | ng | # | 90 |
| 34) Hexachlorobutadiene | 11.31 | 225 | 121119 | 42.689 | ng | | 95 |
| 35) Caprolactam | 11.94 | 113 | 49749 | 31.637 | ng | # | 86 |
| 36) 4-Chloro-3-methylphenol | 12.26 | 107 | 221488 | 50.399 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.63 | 142 | 429245 | 48.213 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.85 | 142 | 407451 | 47.476 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.99 | 216 | 230625 | 43.345 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.96 | 237 | 236535 | 81.583 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 13.23 | 196 | 173428 | 53.013 | ng | | 95 |
| 44) 2,4,5-Trichlorophenol | 13.30 | 196 | 185514 | 54.106 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.63 | 154 | 578311 | 41.564 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.68 | 162 | 456089 | 43.574 | ng | | 98 |
| 48) 2-Nitroaniline | 13.89 | 65 | 158237 | 51.827 | ng | | 92 |
| 49) Acenaphthylene | 14.53 | 152 | 731123 | 46.292 | ng | | 98 |
| 50) Dimethylphthalate | 14.24 | 163 | 595890 | 44.121 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.37 | 165 | 135078 | 52.760 | ng | | 99 |
| 52) Acenaphthene | 14.86 | 154 | 451269 | 44.017 | ng | | 98 |
| 53) 3-Nitroaniline | 14.71 | 138 | 9525 | 8.868 | ng | # | 89 |
| 54) 2,4-Dinitrophenol | 14.91 | 184 | 30420 | 37.284 | ng | | 89 |
| 55) Dibenzofuran | 15.19 | 168 | 723820 | 44.035 | ng | | 98 |
| 56) 4-Nitrophenol | 15.01 | 139 | 187234 | 76.914 | ng | | 90 |
| 57) 2,4-Dinitrotoluene | 15.16 | 165 | 193540 | 57.924 | ng | | 86 |
| 58) Fluorene | 15.84 | 166 | 570250 | 46.538 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.41 | 232 | 173144 | 53.933 | ng | | 98 |
| 60) Diethylphthalate | 15.60 | 149 | 602325 | 43.134 | ng | | 97 |
| 61) 4-Chlorophenyl-phenylether | 15.82 | 204 | 308306 | 44.435 | ng | | 95 |
| 62) 4-Nitroaniline | 15.87 | 138 | 135683 | 47.916 | ng | | 89 |
| 63) Azobenzene | 16.12 | 77 | 544029 | 39.860 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.91 | 198 | 40606 | 31.107 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 16.04 | 169 | 527167 | 44.126 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.72 | 248 | 198836 | 45.616 | ng | | 96 |
| 68) Hexachlorobenzene | 16.84 | 284 | 202488 | 46.301 | ng | | 93 |
| 69) Atrazine | 16.98 | 200 | 204259 | 46.785 | ng | | 97 |
| 70) Pentachlorophenol | 17.18 | 266 | 153047 | 50.353 | ng | | 97 |
| 71) Phenanthrene | 17.59 | 178 | 936683 | 46.061 | ng | | 98 |
| 72) Anthracene | 17.68 | 178 | 957327 | 47.793 | ng | | 98 |
| 73) Carbazole | 17.95 | 167 | 839326 | 41.987 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.47 | 149 | 1026363 | 44.009 | ng | | 99 |
| 75) Fluoranthene | 19.58 | 202 | 1106144 | 46.864 | ng | | 99 |
| 77) Benzidine | 19.76 | 184 | 139857 | 10.745 | ng | | 99 |
| 78) Pyrene | 19.95 | 202 | 1115975 | 45.154 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.81 | 149 | 487607 | 46.770 | ng | | 95 |
| 81) Benzo(a)anthracene | 21.81 | 228 | 1109033 | 47.275 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.72 | 252 | 72079 | 8.286 | ng | | 99 |
| 83) Chrysene | 21.88 | 228 | 1027076 | 45.992 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.68 | 149 | 672807 | 45.235 | ng | # | 97 |
| 85) Di-n-octyl phthalate | 22.94 | 149 | 1142329 | 46.488 | ng | | 96 |
| 86) Indeno(1,2,3-cd)pyrene | 29.11 | 276 | 1244115 | 51.925 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 24.13 | 252 | 1085676 | 47.968 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.20 | 252 | 1054544 | 46.408 | ng | | 100 |
| 90) Benzo(a)pyrene | 25.05 | 252 | 1057051 | 48.494 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 29.18 | 278 | 1019215 | 49.929 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 30.34 | 276 | 1031242 | 50.684 | ng | | 98 |

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

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