Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022719\
Data File : BG039639.D
Acq On : 27 Feb 2019 17:57
Operator : JU/SJ
Sample : PB117428BSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB117428BSD

**Manual Integrations APPROVED**
Sohil
2/28/2019 1:32:06 PM

Quant Time: Feb 28 01:21:33 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 | 74860 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.99 | 136 | 331466 | 20.00 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 14.79 | 164 | 222585 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.54 | 188 | 529171 | 20.00 | ng | | -0.02 |
| 76) Chrysene-d12 | 21.82 | 240 | 505909 | 20.00 | ng | | -0.02 |
| 87) Perylene-d12 | 25.20 | 264 | 498430 | 20.00 | ng | | -0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.71 | 112 | 607078 | 138.79 | ng | | 0.00 |
| 7) Phenol-d6 | 7.32 | 99 | 909455 | 141.26 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.35 | 82 | 446379 | 84.13 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 16.29 | 330 | 392046 | 163.57 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.42 | 172 | 1054168 | 67.94 | ng | | -0.02 |
| 79) Terphenyl-d14 | 20.13 | 244 | 1679328 | 70.26 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.61 | 88 | 75525 | 39.475 | ng | | 93 |
| 3) Pyridine | 4.01 | 79 | 226663 | 44.746 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 3.93 | 42 | 112183 | 44.283 | ng | | 89 |
| 6) Aniline | 7.50 | 93 | 354853 | 44.002 | ng | | 98 |
| 8) 2-Chlorophenol | 7.73 | 128 | 209049 | 43.724 | ng | | 99 |
| 9) Benzaldehyde | 7.31 | 77 | 126378 | 39.033 | ng | | 97 |
| 10) Phenol | 7.34 | 94 | 289572 | 43.146 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.59 | 93 | 222284 | 41.915 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 8.06 | 146 | 240080 | 41.451 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.20 | 146 | 243332 | 42.150 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.53 | 146 | 235877 | 42.207 | ng | | 97 |
| 15) Benzyl Alcohol | 8.41 | 79 | 219152 | 43.357 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.68 | 45 | 425692 | 35.545 | ng | | 99 |
| 17) 2-Methylphenol | 8.60 | 107 | 194188 | 44.711 | ng | | 95 |
| 18) Hexachloroethane | 9.25 | 117 | 87369 | 43.990 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.97 | 70 | 186092 | 40.724 | ng | | 92 |
| 20) 3+4-Methylphenols | 8.93 | 107 | 268131 | 44.832 | ng | | 98 |
| 22) Acetophenone | 9.00 | 105 | 354813 | 39.850 | ng | # | 93 |
| 24) Nitrobenzene | 9.39 | 77 | 273129 | 47.649 | ng | | 98 |
| 25) Isophorone | 9.91 | 82 | 535769 | 45.567 | ng | | 98 |
| 26) 2-Nitrophenol | 10.10 | 139 | 138015 | 57.671 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 10.14 | 122 | 220496 | 46.359 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.38 | 93 | 309737 | 42.769 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 10.63 | 162 | 243040 | 46.754 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.85 | 180 | 261135 | 44.744 | ng | | 99 |
| 31) Naphthalene | 11.04 | 128 | 721865 | 43.899 | ng | | 98 |
| 32) Benzoic acid | 10.29 | 122 | 155167 | 49.478 | ng | | 97 |
| 33) 4-Chloroaniline | 11.15 | 127 | 325364 | 42.674 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.30 | 225 | 164706 | 42.437 | ng | | 93 |
| 35) Caprolactam | 11.94 | 113 | 87490m | 40.672 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.25 | 107 | 262897 | 43.730 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.63 | 142 | 547720 | 44.972 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.85 | 142 | 524921 | 44.712 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.99 | 216 | 305234 | 43.100 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.96 | 237 | 372663 | 96.567 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 13.22 | 196 | 202810 | 46.576 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 13.30 | 196 | 221885 | 48.619 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.63 | 154 | 721082 | 38.936 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.68 | 162 | 566358 | 40.652 | ng | | 99 |
| 48) 2-Nitroaniline | 13.88 | 65 | 194962 | 48.591 | ng | | 94 |
| 49) Acenaphthylene | 14.52 | 152 | 884537 | 42.076 | ng | | 98 |
| 50) Dimethylphthalate | 14.24 | 163 | 737688 | 41.035 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.37 | 165 | 169710 | 50.169 | ng | | 95 |
| 52) Acenaphthene | 14.86 | 154 | 547203 | 40.100 | ng | | 98 |
| 53) 3-Nitroaniline | 14.71 | 138 | 172049 | 47.524 | ng | # | 92 |
| 54) 2,4-Dinitrophenol | 14.91 | 184 | 198599 | 111.869 | ng | | 99 |
| 55) Dibenzofuran | 15.19 | 168 | 892197 | 40.779 | ng | | 99 |
| 56) 4-Nitrophenol | 15.00 | 139 | 284522 | 86.990 | ng | # | 87 |
| 57) 2,4-Dinitrotoluene | 15.16 | 165 | 243933 | 55.265 | ng | # | 84 |
| 58) Fluorene | 15.84 | 166 | 696672 | 42.715 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.41 | 232 | 216543 | 50.676 | ng | | 97 |
| 60) Diethylphthalate | 15.59 | 149 | 752392 | 40.480 | ng | | 97 |
| 61) 4-Chlorophenyl-phenylether | 15.82 | 204 | 382141 | 41.379 | ng | | 98 |
| 62) 4-Nitroaniline | 15.87 | 138 | 185051 | 48.994 | ng | | 93 |
| 63) Azobenzene | 16.12 | 77 | 669423 | 36.849 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 15.92 | 198 | 144925 | 62.233 | ng | | 93 |
| 66) n-Nitrosodiphenylamine | 16.04 | 169 | 646614 | 40.187 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.72 | 248 | 253351 | 43.156 | ng | | 94 |
| 68) Hexachlorobenzene | 16.83 | 284 | 261065 | 44.324 | ng | | 95 |
| 69) Atrazine | 16.98 | 200 | 140590 | 23.910 | ng | | 96 |
| 70) Pentachlorophenol | 17.18 | 266 | 321686 | 78.582 | ng | | 99 |
| 71) Phenanthrene | 17.58 | 178 | 1141678 | 41.685 | ng | | 99 |
| 72) Anthracene | 17.67 | 178 | 1153049 | 42.741 | ng | | 97 |
| 73) Carbazole | 17.94 | 167 | 1009614 | 37.500 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.47 | 149 | 1210311 | 38.533 | ng | | 98 |
| 75) Fluoranthene | 19.58 | 202 | 1324633 | 41.669 | ng | | 98 |
| 77) Benzidine | 19.76 | 184 | 919479 | 55.435 | ng | | 98 |
| 78) Pyrene | 19.94 | 202 | 1312280 | 41.667 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.81 | 149 | 568250 | 42.772 | ng | | 92 |
| 81) Benzo(a)anthracene | 21.81 | 228 | 1290454 | 43.168 | ng | | 97 |
| 82) 3,3'-Dichlorobenzidine | 21.72 | 252 | 475451 | 42.894 | ng | | 98 |
| 83) Chrysene | 21.88 | 228 | 1203952 | 42.308 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.67 | 149 | 788917 | 41.624 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.93 | 149 | 1336957 | 42.696 | ng | | 96 |
| 86) Indeno(1,2,3-cd)pyrene | 29.09 | 276 | 1471739 | 48.203 | ng | # | 95 |
| 88) Benzo(b)fluoranthene | 24.12 | 252 | 1266799 | 46.604 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.20 | 252 | 1233031 | 45.182 | ng | | 99 |
| 90) Benzo(a)pyrene | 25.05 | 252 | 1261011 | 48.170 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 29.16 | 278 | 1185905 | 48.373 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 30.33 | 276 | 1211871 | 49.594 | ng | | 99 |

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

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