Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012420\
Data File : BG044209.D
Acq On : 25 Jan 2020 9:39
Operator : CG/JU
Sample : L1247-21MS
Misc :
ALS Vial : 33 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** TP-10-9-COMPMS

**Manual Integrations APPROVED**
mohammad
1/28/2020 8:11:49 AM

Quant Time: Jan 27 05:37:04 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 | 7.93 | 152 | 84999 | 20.00 | ng | -0.04 |
| 21) Naphthalene-d8 | 10.73 | 136 | 383484 | 20.00 | ng | -0.04 |
| 39) Acenaphthene-d10 | 14.57 | 164 | 255585 | 20.00 | ng | -0.03 |
| 64) Phenanthrene-d10 | 17.31 | 188 | 505394 | 20.00 | ng | -0.02 |
| 76) Chrysene-d12 | 21.56 | 240 | 420008 | 20.00 | ng | -0.03 |
| 87) Perylene-d12 | 24.67 | 264 | 490603 | 20.00 | ng | -0.05 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.51 | 112 | 523453 | 113.07 | ng | -0.03 |
| 7) Phenol-d6 | 7.10 | 99 | 708504 | 109.49 | ng | -0.02 |
| 23) Nitrobenzene-d5 | 9.09 | 82 | 425620 | 59.37 | ng | -0.04 |
| 42) 2,4,6-Tribromophenol | 16.05 | 330 | 250831 | 93.78 | ng | -0.03 |
| 45) 2-Fluorobiphenyl | 13.19 | 172 | 923402 | 65.46 | ng | -0.04 |
| 79) Terphenyl-d14 | 19.92 | 244 | 1233673 | 66.61 | ng | -0.04 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.39 | 88 | 78651 | 38.966 | ng | 99 |
| 3) Pyridine | 3.79 | 79 | 201360 | 33.769 | ng | 95 |
| 4) n-Nitrosodimethylamine | 3.70 | 42 | 105094 | 39.587 | ng | 99 |
| 6) Aniline | 7.25 | 93 | 112121 | 13.192 | ng | 98 |
| 8) 2-Chlorophenol | 7.49 | 128 | 269255 | 49.544 | ng | 97 |
| 9) Benzaldehyde | 7.06 | 77 | 128181 | 30.950 | ng | 97 |
| 10) Phenol | 7.13 | 94 | 352393 | 52.856 | ng | 98 |
| 11) bis(2-Chloroethyl)ether | 7.35 | 93 | 237960 | 41.348 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.82 | 146 | 262143 | 41.220 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 7.96 | 146 | 266171 | 42.418 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.29 | 146 | 252213 | 41.875 | ng | 100 |
| 15) Benzyl Alcohol | 8.16 | 79 | 221643 | 43.400 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.46 | 45 | 333409 | 37.446 | ng | 99 |
| 17) 2-Methylphenol | 8.38 | 107 | 230271 | 47.728 | ng | 98 |
| 18) Hexachloroethane | 9.02 | 117 | 101585 | 41.605 | ng | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.73 | 70 | 197064 | 40.893 | ng | 99 |
| 20) 3+4-Methylphenols | 8.70 | 107 | 316009 | 46.951 | ng | 95 |
| 22) Acetophenone | 8.75 | 105 | 364414 | 38.224 | ng | 100 |
| 24) Nitrobenzene | 9.13 | 77 | 279450 | 39.360 | ng | 97 |
| 25) Isophorone | 9.65 | 82 | 533653 | 39.680 | ng | 99 |
| 26) 2-Nitrophenol | 9.84 | 139 | 148907 | 44.330 | ng | 98 |
| 27) 2,4-Dimethylphenol | 9.91 | 122 | 258875 | 51.198 | ng | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.14 | 93 | 342596 | 38.210 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.38 | 162 | 267831 | 44.406 | ng | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.60 | 180 | 263132 | 38.910 | ng | 98 |
| 31) Naphthalene | 10.78 | 128 | 784283 | 42.263 | ng | 99 |
| 32) Benzoic acid | 10.06 | 122 | 114827 | 30.510 | ng | 96 |
| 33) 4-Chloroaniline | 10.88 | 127 | 74721 | 8.442 | ng | 96 |
| 34) Hexachlorobutadiene | 11.08 | 225 | 152827 | 37.013 | ng | 98 |
| 35) Caprolactam | 11.66 | 113 | 93876m | 41.810 | ng | |
| 36) 4-Chloro-3-methylphenol | 12.02 | 107 | 285383 | 44.447 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.39 | 142 | 593181 | 42.458 | ng | 96 |
| 38) 1-Methylnaphthalene | 12.61 | 142 | 565882 | 42.736 | ng | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.76 | 216 | 280726 | 37.474 | ng | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.75 | 237 | 326615 | 84.098 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.00 | 196 | 210110 | 40.762 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 13.08 | 196 | 223132 | 41.971 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.40 | 154 | 751676 | 41.019 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.44 | 162 | 588286 | 39.728 | ng | | 99 |
| 48) 2-Nitroaniline | 13.64 | 65 | 179171 | 37.615 | ng | | 97 |
| 49) Acenaphthylene | 14.29 | 152 | 927894 | 43.597 | ng | | 98 |
| 50) Dimethylphthalate | 14.02 | 163 | 874792 | 48.204 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.13 | 165 | 168417 | 41.060 | ng | | 96 |
| 52) Acenaphthene | 14.63 | 154 | 572697 | 38.370 | ng | | 99 |
| 53) 3-Nitroaniline | 14.46 | 138 | 63671 | 13.669 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 14.67 | 184 | 154660 | 74.423 | ng | | 97 |
| 55) Dibenzofuran | 14.97 | 168 | 874625 | 42.567 | ng | | 98 |
| 56) 4-Nitrophenol | 14.79 | 139 | 292204 | 81.864 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 14.93 | 165 | 228512 | 40.943 | ng | | 98 |
| 58) Fluorene | 15.61 | 166 | 687037 | 42.187 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.20 | 232 | 190937 | 41.767 | ng | | 96 |
| 60) Diethylphthalate | 15.38 | 149 | 738945 | 40.711 | ng | | 97 |
| 61) 4-Chlorophenyl-phenylether | 15.61 | 204 | 353727 | 40.001 | ng | | 98 |
| 62) 4-Nitroaniline | 15.63 | 138 | 159275 | 34.627 | ng | | 95 |
| 63) Azobenzene | 15.90 | 77 | 701778 | 41.690 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.69 | 198 | 126828 | 48.642 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.82 | 169 | 635016 | 42.667 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.50 | 248 | 226169 | 39.789 | ng | | 98 |
| 68) Hexachlorobenzene | 16.62 | 284 | 242952 | 39.667 | ng | | 98 |
| 69) Atrazine | 16.77 | 200 | 227790 | 47.085 | ng | | 99 |
| 70) Pentachlorophenol | 16.97 | 266 | 257889 | 76.382 | ng | | 98 |
| 71) Phenanthrene | 17.35 | 178 | 1060679 | 43.755 | ng | | 98 |
| 72) Anthracene | 17.44 | 178 | 1088685 | 45.443 | ng | | 98 |
| 73) Carbazole | 17.71 | 167 | 958163 | 43.297 | ng | | 97 |
| 74) Di-n-butylphthalate | 18.28 | 149 | 1187237 | 42.020 | ng | | 97 |
| 75) Fluoranthene | 19.36 | 202 | 1222341 | 44.091 | ng | | 96 |
| 77) Benzidine | 19.54 | 184 | 293615 | 27.812 | ng | | 96 |
| 78) Pyrene | 19.72 | 202 | 1221204 | 44.544 | ng | | 96 |
| 80) Butylbenzylphthalate | 20.61 | 149 | 559278 | 42.849 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.54 | 228 | 1147511 | 44.061 | ng | | 96 |
| 82) 3,3'-Dichlorobenzidine | 21.46 | 252 | 173834 | 16.895 | ng | | 99 |
| 83) Chrysene | 21.61 | 228 | 1097953 | 44.368 | ng | | 95 |
| 84) Bis(2-ethylhexyl)phthalate | 21.46 | 149 | 794809 | 44.132 | ng | | 96 |
| 85) Di-n-octyl phthalate | 22.63 | 149 | 1357543 | 44.837 | ng | | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 28.19 | 276 | 1400154 | 41.633 | ng | # | 91 |
| 88) Benzo(b)fluoranthene | 23.69 | 252 | 1199736 | 41.366 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 23.75 | 252 | 1183712 | 42.919 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.52 | 252 | 1112406 | 40.637 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 28.25 | 278 | 1147335 | 41.734 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 29.29 | 276 | 1179007 | 43.175 | ng | | 98 |

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

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