Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
Data File : BG044728.D
Acq On : 12 Mar 2020 10:11
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
SSTDCCC040

**Manual Integrations APPROVED**
mohammad
3/16/2020 1:48:05 PM

Quant Time: Mar 13 06:44:34 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 10 16:27:39 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.06 | 152 | 105661 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.87 | 136 | 420070 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.69 | 164 | 288483 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.44 | 188 | 653149 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.71 | 240 | 580162 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 24.93 | 264 | 683921 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.62 | 112 | 504157 | 74.28 | ng | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 729620 | 73.98 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.22 | 82 | 711527 | 74.33 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.17 | 330 | 284237 | 75.25 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.32 | 172 | 1466901 | 72.82 | ng | 0.00 |
| 79) Terphenyl-d14 | 20.05 | 244 | 2215588 | 71.43 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.53 | 88 | 116605 | 35.675 | ng | 96 |
| 3) Pyridine | 3.92 | 79 | 352898 | 36.471 | ng | 97 |
| 4) n-Nitrosodimethylamine | 3.83 | 42 | 146079 | 39.789 | ng | 94 |
| 6) Aniline | 7.38 | 93 | 451752 | 36.814 | ng | 97 |
| 8) 2-Chlorophenol | 7.62 | 128 | 250956 | 37.038 | ng | 97 |
| 9) Benzaldehyde | 7.19 | 77 | 218678 | 35.187 | ng | 98 |
| 10) Phenol | 7.24 | 94 | 362729 | 37.152 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 7.47 | 93 | 275360 | 35.339 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.95 | 146 | 304899 | 36.529 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 8.09 | 146 | 303227 | 36.747 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 8.42 | 146 | 286473 | 36.605 | ng | 99 |
| 15) Benzyl Alcohol | 8.29 | 79 | 287574 | 36.344 | ng | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.59 | 45 | 499969 | 36.359 | ng | 99 |
| 17) 2-Methylphenol | 8.49 | 107 | 240943 | 36.432 | ng | 95 |
| 18) Hexachloroethane | 9.15 | 117 | 119568 | 36.805 | ng | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.86 | 70 | 247383 | 35.526 | ng | 99 |
| 20) 3+4-Methylphenols | 8.82 | 107 | 332163 | 36.434 | ng | 98 |
| 22) Acetophenone | 8.87 | 105 | 423170 | 35.559 | ng | 97 |
| 24) Nitrobenzene | 9.26 | 77 | 358154 | 36.057 | ng | 99 |
| 25) Isophorone | 9.79 | 82 | 653944 | 35.001 | ng | 99 |
| 26) 2-Nitrophenol | 9.97 | 139 | 129912 | 38.860 | ng | 96 |
| 27) 2,4-Dimethylphenol | 10.03 | 122 | 216018 | 35.504 | ng | 93 |
| 28) bis(2-Chloroethoxy)methane | 10.27 | 93 | 402341 | 36.085 | ng | 98 |
| 29) 2,4-Dichlorophenol | 10.50 | 162 | 263592 | 37.091 | ng | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.73 | 180 | 306065 | 36.019 | ng | 95 |
| 31) Naphthalene | 10.91 | 128 | 841595 | 36.167 | ng | 99 |
| 32) Benzoic acid | 10.16 | 122 | 171099 | 38.496 | ng | 94 |
| 33) 4-Chloroaniline | 11.01 | 127 | 374553 | 35.727 | ng | 99 |
| 34) Hexachlorobutadiene | 11.21 | 225 | 207954 | 37.214 | ng | 95 |
| 35) Caprolactam | 11.78 | 113 | 99167 | 36.856 | ng | 89 |
| 36) 4-Chloro-3-methylphenol | 12.13 | 107 | 304218 | 35.893 | ng | 98 |
| 37) 2-Methylnaphthalene | 12.52 | 142 | 632490 | 36.336 | ng | 98 |
| 38) 1-Methylnaphthalene | 12.73 | 142 | 596861 | 36.473 | ng | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.89 | 216 | 337988 | 35.575 | ng | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.88 | 237 | 186537 | 35.927 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 13.12 | 196 | 230251 | 36.518 | ng | | 95 |
| 44) 2,4,5-Trichlorophenol | 13.19 | 196 | 236189 | 36.121 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.52 | 154 | 826134 | 35.836 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.56 | 162 | 625812 | 35.536 | ng | | 98 |
| 48) 2-Nitroaniline | 13.76 | 65 | 236823 | 38.411 | ng | | 96 |
| 49) Acenaphthylene | 14.41 | 152 | 988769 | 35.838 | ng | | 99 |
| 50) Dimethylphthalate | 14.14 | 163 | 837163 | 36.436 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.25 | 165 | 171714 | 37.077 | ng | | 97 |
| 52) Acenaphthene | 14.76 | 154 | 655478 | 36.277 | ng | | 95 |
| 53) 3-Nitroaniline | 14.58 | 138 | 199557 | 37.478 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 14.78 | 184 | 77156 | 36.887 | ng | # | 80 |
| 55) Dibenzofuran | 15.09 | 168 | 950200 | 36.264 | ng | | 100 |
| 56) 4-Nitrophenol | 14.88 | 139 | 152280 | 37.474 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 15.04 | 165 | 244624 | 38.513 | ng | | 93 |
| 58) Fluorene | 15.74 | 166 | 779121 | 36.147 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.31 | 232 | 222469m | 36.955 | ng | | |
| 60) Diethylphthalate | 15.51 | 149 | 875025 | 36.514 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.73 | 204 | 419947 | 36.184 | ng | | 99 |
| 62) 4-Nitroaniline | 15.74 | 138 | 212507 | 37.428 | ng | | 96 |
| 63) Azobenzene | 16.03 | 77 | 896164 | 36.011 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.80 | 198 | 107381 | 37.040 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 15.94 | 169 | 695020 | 35.344 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.62 | 248 | 291216 | 35.665 | ng | | 96 |
| 68) Hexachlorobenzene | 16.75 | 284 | 314135 | 35.462 | ng | | 99 |
| 69) Atrazine | 16.89 | 200 | 274496 | 38.101 | ng | | 99 |
| 70) Pentachlorophenol | 17.08 | 266 | 186144 | 38.191 | ng | | 96 |
| 71) Phenanthrene | 17.48 | 178 | 1293665 | 37.064 | ng | | 99 |
| 72) Anthracene | 17.57 | 178 | 1249079 | 36.293 | ng | | 99 |
| 73) Carbazole | 17.83 | 167 | 1207751 | 36.533 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.40 | 149 | 1490609 | 37.091 | ng | | 99 |
| 75) Fluoranthene | 19.49 | 202 | 1533942 | 36.911 | ng | | 99 |
| 77) Benzidine | 19.66 | 184 | 811560 | 43.089 | ng | | 99 |
| 78) Pyrene | 19.84 | 202 | 1543919 | 36.272 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.74 | 149 | 695698 | 36.739 | ng | | 95 |
| 81) Benzo(a)anthracene | 21.69 | 228 | 1502448 | 35.964 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.60 | 252 | 599323 | 37.083 | ng | | 96 |
| 83) Chrysene | 21.75 | 228 | 1459185 | 36.566 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.62 | 149 | 945770 | 36.189 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.85 | 149 | 1613511 | 36.895 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.59 | 276 | 1902961 | 36.374 | ng | # | 95 |
| 88) Benzo(b)fluoranthene | 23.91 | 252 | 1657752 | 36.716 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.97 | 252 | 1509022 | 35.317 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.77 | 252 | 1544376 | 36.555 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.66 | 278 | 1501976 | 36.036 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.73 | 276 | 1520168 | 36.100 | ng | | 98 |

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

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