Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031720\
Data File : BG044836.D
Acq On : 17 Mar 2020 17:12
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
mohammad
3/18/2020 4:00:17 PM

Quant Time: Mar 17 18:14:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 16 17:37:15 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.05 | 152 | 82487 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.85 | 136 | 334477 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.68 | 164 | 249379 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.43 | 188 | 580734 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.69 | 240 | 473659 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.90 | 264 | 558430 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 386586 | 72.96 | ng | | 0.00 |
| 7) Phenol-d6 | 7.20 | 99 | 569918 | 74.03 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.20 | 82 | 560364 | 73.52 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.16 | 330 | 281904 | 86.33 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.30 | 172 | 1246948 | 71.60 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.04 | 244 | 1957767 | 77.32 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 83963m | 32.905 | ng | | |
| 3) Pyridine | 3.91 | 79 | 252436 | 33.418 | ng | | 100 |
| 4) n-Nitrosodimethylamine | 3.83 | 42 | 95775 | 33.416 | ng | # | 98 |
| 6) Aniline | 7.37 | 93 | 350109 | 36.546 | ng | | 97 |
| 8) 2-Chlorophenol | 7.61 | 128 | 201827 | 38.155 | ng | | 97 |
| 9) Benzaldehyde | 7.17 | 77 | 161381 | 32.649 | ng | | 95 |
| 10) Phenol | 7.23 | 94 | 278129 | 36.490 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.46 | 93 | 214784 | 35.309 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 7.94 | 146 | 238779 | 36.645 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.08 | 146 | 233657 | 36.271 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.40 | 146 | 224644 | 36.769 | ng | | 97 |
| 15) Benzyl Alcohol | 8.28 | 79 | 231485 | 37.474 | ng | | 94 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58 | 45 | 345840 | 32.216 | ng | | 95 |
| 17) 2-Methylphenol | 8.48 | 107 | 193783 | 37.533 | ng | | 97 |
| 18) Hexachloroethane | 9.14 | 117 | 94414 | 37.227 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.85 | 70 | 195730 | 36.005 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.81 | 107 | 269795 | 37.907 | ng | | 96 |
| 22) Acetophenone | 8.87 | 105 | 343348 | 36.234 | ng | | 98 |
| 24) Nitrobenzene | 9.24 | 77 | 282594 | 35.731 | ng | | 99 |
| 25) Isophorone | 9.77 | 82 | 538163 | 36.175 | ng | | 97 |
| 26) 2-Nitrophenol | 9.96 | 139 | 118978 | 43.868 | ng | | 95 |
| 27) 2,4-Dimethylphenol | 10.02 | 122 | 180027 | 37.161 | ng | | 92 |
| 28) bis(2-Chloroethoxy)methane | 10.25 | 93 | 316249 | 35.622 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.50 | 162 | 219549 | 38.800 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.72 | 180 | 252423 | 37.308 | ng | | 98 |
| 31) Naphthalene | 10.91 | 128 | 672687 | 36.306 | ng | | 99 |
| 32) Benzoic acid | 10.15 | 122 | 156592 | 42.803 | ng | | 97 |
| 33) 4-Chloroaniline | 11.01 | 127 | 318446 | 38.148 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.20 | 225 | 171001 | 38.432 | ng | | 99 |
| 35) Caprolactam | 11.77 | 113 | 94690 | 44.198 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 12.12 | 107 | 266496 | 39.489 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.51 | 142 | 518944 | 37.442 | ng | | 96 |
| 38) 1-Methylnaphthalene | 12.73 | 142 | 489145 | 37.539 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.88 | 216 | 297575 | 36.233 | ng | | 97 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.87 | 237 | 158763 | 35.372 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 13.11 | 196 | 210018 | 38.532 | ng | | 96 |
| 44) 2,4,5-Trichlorophenol | 13.18 | 196 | 220977 | 39.094 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.51 | 154 | 699492 | 35.100 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.56 | 162 | 526914 | 34.612 | ng | | 98 |
| 48) 2-Nitroaniline | 13.75 | 65 | 205949 | 38.642 | ng | | 97 |
| 49) Acenaphthylene | 14.40 | 152 | 848663 | 35.583 | ng | | 99 |
| 50) Dimethylphthalate | 14.13 | 163 | 738709 | 37.192 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.24 | 165 | 161572 | 40.357 | ng | | 97 |
| 52) Acenaphthene | 14.74 | 154 | 580093 | 37.139 | ng | | 98 |
| 53) 3-Nitroaniline | 14.57 | 138 | 184064 | 39.989 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 14.77 | 184 | 93907 | 48.540 | ng | # | 85 |
| 55) Dibenzofuran | 15.08 | 168 | 827879 | 36.550 | ng | | 99 |
| 56) 4-Nitrophenol | 14.87 | 139 | 142012 | 40.427 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 15.03 | 165 | 234570 | 42.721 | ng | | 99 |
| 58) Fluorene | 15.73 | 166 | 688479 | 36.950 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.30 | 232 | 214544m | 41.227 | ng | | |
| 60) Diethylphthalate | 15.50 | 149 | 782617 | 37.779 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.72 | 204 | 378177 | 37.694 | ng | | 97 |
| 62) 4-Nitroaniline | 15.73 | 138 | 193686 | 39.462 | ng | | 100 |
| 63) Azobenzene | 16.01 | 77 | 741468 | 34.467 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.80 | 198 | 127965 | 47.014 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 15.93 | 169 | 625493 | 35.775 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 16.62 | 248 | 269248 | 37.087 | ng | | 97 |
| 68) Hexachlorobenzene | 16.74 | 284 | 293941 | 37.320 | ng | | 97 |
| 69) Atrazine | 16.88 | 200 | 239823 | 37.439 | ng | | 99 |
| 70) Pentachlorophenol | 17.07 | 266 | 179379 | 41.392 | ng | | 98 |
| 71) Phenanthrene | 17.47 | 178 | 1134128 | 36.545 | ng | | 100 |
| 72) Anthracene | 17.56 | 178 | 1115606 | 36.457 | ng | | 99 |
| 73) Carbazole | 17.82 | 167 | 1063249 | 36.172 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.39 | 149 | 1324277 | 37.061 | ng | | 99 |
| 75) Fluoranthene | 19.47 | 202 | 1361876 | 36.857 | ng | | 99 |
| 77) Benzidine | 19.65 | 184 | 602612 | 39.190 | ng | | 99 |
| 78) Pyrene | 19.84 | 202 | 1351990 | 38.905 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.72 | 149 | 572985 | 37.063 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.67 | 228 | 1277201 | 37.447 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.59 | 252 | 500335 | 37.919 | ng | | 99 |
| 83) Chrysene | 21.74 | 228 | 1203156 | 36.929 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.60 | 149 | 774491 | 36.299 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.81 | 149 | 1327732 | 37.187 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.56 | 276 | 1535915 | 35.959 | ng | # | 97 |
| 88) Benzo(b)fluoranthene | 23.89 | 252 | 1349477 | 36.605 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.95 | 252 | 1252839 | 35.910 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.75 | 252 | 1248348 | 36.188 | ng | | 97 |
| 91) Dibenzo(a,h)anthracene | 28.62 | 278 | 1245779 | 36.606 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 29.70 | 276 | 1245308 | 36.218 | ng | | 97 |

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

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