Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\
Data File : BG042623.D
Acq On : 31 Aug 2019 7:31
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 31 13:28:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 22 14:29:15 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.99 | 152 | 33577 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.81 | 136 | 138265 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 14.66 | 164 | 105624 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.41 | 188 | 240557 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.68 | 240 | 250094 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 24.92 | 264 | 302476 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.55 | 112 | 130990 | 79.01 | ng | | -0.01 |
| 7) Phenol-d6 | 7.16 | 99 | 172723 | 77.13 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 9.16 | 82 | 157487 | 78.71 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 16.15 | 330 | 121486 | 80.92 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 13.28 | 172 | 525048 | 84.07 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.02 | 244 | 981782 | 84.87 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.42 | 88 | 26608 | 38.458 | ng | | 98 |
| 3) Pyridine | 3.82 | 79 | 68509 | 38.616 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.73 | 42 | 25961 | 40.971 | ng | | 85 |
| 6) Aniline | 7.31 | 93 | 114132 | 38.211 | ng | | 99 |
| 8) 2-Chlorophenol | 7.56 | 128 | 80527 | 40.078 | ng | | 98 |
| 9) Benzaldehyde | 7.12 | 77 | 43237 | 38.565 | ng | | 99 |
| 10) Phenol | 7.19 | 94 | 86587 | 38.028 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.41 | 93 | 65122 | 36.418 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.89 | 146 | 102722 | 40.189 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.03 | 146 | 106100 | 40.980 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.35 | 146 | 100430 | 40.506 | ng | | 96 |
| 15) Benzyl Alcohol | 8.24 | 79 | 63667 | 39.517 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.53 | 45 | 88695 | 36.595 | ng | | 98 |
| 17) 2-Methylphenol | 8.45 | 107 | 65351 | 38.967 | ng | | 94 |
| 18) Hexachloroethane | 9.09 | 117 | 34916 | 39.393 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 8.81 | 70 | 54625 | 37.651 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.78 | 107 | 87256 | 37.600 | ng | | 96 |
| 22) Acetophenone | 8.82 | 105 | 118109 | 39.939 | ng | # | 99 |
| 24) Nitrobenzene | 9.20 | 77 | 79686 | 39.329 | ng | | 96 |
| 25) Isophorone | 9.73 | 82 | 152956 | 38.736 | ng | | 98 |
| 26) 2-Nitrophenol | 9.93 | 139 | 51283 | 40.390 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.99 | 122 | 69033 | 39.470 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.22 | 93 | 95769 | 38.481 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.47 | 162 | 94096 | 41.120 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.68 | 180 | 117011 | 41.659 | ng | | 99 |
| 31) Naphthalene | 10.87 | 128 | 257986 | 40.189 | ng | | 99 |
| 32) Benzoic acid | 10.14 | 122 | 38609 | 33.409 | ng | | 97 |
| 33) 4-Chloroaniline | 10.98 | 127 | 116332 | 39.257 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.16 | 225 | 82327 | 43.613 | ng | | 99 |
| 35) Caprolactam | 11.75 | 113 | 28055 | 36.742 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 12.11 | 107 | 85025 | 39.141 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.48 | 142 | 210499 | 40.839 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.70 | 142 | 198560 | 40.556 | ng | | 97 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.85 | 216 | 142815 | 42.104 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.83 | 237 | 61204 | 34.350 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.09 | 196 | 92009 | 40.130 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 13.17 | 196 | 91164 | 38.370 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.49 | 154 | 272482 | 39.909 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.53 | 162 | 236048 | 40.095 | ng | | 99 |
| 48) 2-Nitroaniline | 13.73 | 65 | 52947 | 37.296 | ng | | 98 |
| 49) Acenaphthylene | 14.38 | 152 | 351369 | 39.671 | ng | | 100 |
| 50) Dimethylphthalate | 14.10 | 163 | 303765 | 39.858 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.23 | 165 | 68870 | 38.986 | ng | | 91 |
| 52) Acenaphthene | 14.72 | 154 | 209923 | 39.032 | ng | | 98 |
| 53) 3-Nitroaniline | 14.56 | 138 | 65886 | 37.293 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 14.78 | 184 | 37391 | 35.204 | ng | | 97 |
| 55) Dibenzofuran | 15.06 | 168 | 359273 | 40.357 | ng | | 99 |
| 56) 4-Nitrophenol | 14.89 | 139 | 44908 | 35.773 | ng | | 93 |
| 57) 2,4-Dinitrotoluene | 15.02 | 165 | 99172 | 39.204 | ng | | 97 |
| 58) Fluorene | 15.71 | 166 | 291710 | 40.085 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.29 | 232 | 95547m | 40.665 | ng | | |
| 60) Diethylphthalate | 15.47 | 149 | 295283 | 39.635 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 15.70 | 204 | 179836 | 40.995 | ng | | 96 |
| 62) 4-Nitroaniline | 15.73 | 138 | 72704 | 38.451 | ng | | 96 |
| 63) Azobenzene | 15.99 | 77 | 187384 | 36.706 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylphenol | 15.80 | 198 | 60308 | 39.987 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.91 | 169 | 267089 | 40.373 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.59 | 248 | 125831 | 41.238 | ng | | 98 |
| 68) Hexachlorobenzene | 16.72 | 284 | 137429 | 41.432 | ng | | 98 |
| 69) Atrazine | 16.86 | 200 | 84886 | 36.285 | ng | | 97 |
| 70) Pentachlorophenol | 17.07 | 266 | 63526 | 36.860 | ng | | 96 |
| 71) Phenanthrene | 17.45 | 178 | 496415 | 41.545 | ng | | 99 |
| 72) Anthracene | 17.54 | 178 | 496888 | 41.655 | ng | | 99 |
| 73) Carbazole | 17.81 | 167 | 431507 | 40.589 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.36 | 149 | 518940 | 41.294 | ng | | 99 |
| 75) Fluoranthene | 19.46 | 202 | 642510 | 44.060 | ng | | 97 |
| 77) Benzidine | 19.64 | 184 | 270539 | 37.730 | ng | | 98 |
| 78) Pyrene | 19.83 | 202 | 643508 | 41.968 | ng | | 97 |
| 80) Butylbenzylphthalate | 20.70 | 149 | 236110 | 39.150 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.67 | 228 | 635772 | 41.789 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.58 | 252 | 241187 | 39.418 | ng | # | 99 |
| 83) Chrysene | 21.73 | 228 | 605464 | 41.266 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.57 | 149 | 333096 | 39.780 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.78 | 149 | 567389 | 39.397 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.62 | 276 | 792501 | 39.746 | ng | # | 97 |
| 88) Benzo(b)fluoranthene | 23.90 | 252 | 688150m | 41.383 | ng | | |
| 89) Benzo(k)fluoranthene | 23.96 | 252 | 664307 | 41.561 | ng | # | 98 |
| 90) Benzo(a)pyrene | 24.77 | 252 | 650963 | 41.254 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.69 | 278 | 644312 | 40.328 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 29.79 | 276 | 642864 | 40.231 | ng | | 96 |

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

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