Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041019\
Data File : BG040413.D
Acq On : 10 Apr 2019 13:37
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 10 14:12:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 28 05:47:00 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.05 | 152 | 45828 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.86 | 136 | 198069 | 20.00 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 14.68 | 164 | 122692 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.42 | 188 | 325213 | 20.00 | ng | | -0.02 |
| 76) Chrysene-d12 | 21.70 | 240 | 366398 | 20.00 | ng | | -0.03 |
| 87) Perylene-d12 | 24.97 | 264 | 374222 | 20.00 | ng | | -0.06 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 233962 | 84.87 | ng | | -0.02 |
| 7) Phenol-d6 | 7.20 | 99 | 323658 | 84.95 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 9.22 | 82 | 301884 | 81.01 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 16.17 | 330 | 126973 | 95.76 | ng | | -0.02 |
| 45) 2-Fluorobiphenyl | 13.30 | 172 | 692638 | 83.65 | ng | | -0.02 |
| 79) Terphenyl-d14 | 20.02 | 244 | 1246054 | 76.51 | ng | | -0.03 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.49 | 88 | 55933 | 43.150 | ng | | 97 |
| 3) Pyridine | 3.90 | 79 | 147474 | 42.255 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.82 | 42 | 65336 | 40.471 | ng | # | 94 |
| 6) Aniline | 7.37 | 93 | 203240 | 41.060 | ng | | 96 |
| 8) 2-Chlorophenol | 7.61 | 128 | 136117 | 42.181 | ng | | 99 |
| 9) Benzaldehyde | 7.19 | 77 | 96023 | 36.743 | ng | | 99 |
| 10) Phenol | 7.22 | 94 | 173758 | 42.019 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.47 | 93 | 137401 | 41.485 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.94 | 146 | 146564 | 41.781 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.08 | 146 | 146387 | 41.898 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.40 | 146 | 139570 | 41.773 | ng | | 99 |
| 15) Benzyl Alcohol | 8.29 | 79 | 115073 | 37.505 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.57 | 45 | 252766 | 39.765 | ng | | 100 |
| 17) 2-Methylphenol | 8.48 | 107 | 113648 | 39.716 | ng | | 94 |
| 18) Hexachloroethane | 9.12 | 117 | 54613 | 41.094 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.85 | 70 | 103962 | 38.060 | ng | | 96 |
| 20) 3+4-Methylphenols | 8.81 | 107 | 155434 | 40.097 | ng | | 96 |
| 22) Acetophenone | 8.88 | 105 | 196356 | 39.742 | ng | # | 98 |
| 24) Nitrobenzene | 9.26 | 77 | 157139 | 40.723 | ng | | 99 |
| 25) Isophorone | 9.77 | 82 | 298995 | 38.996 | ng | | 99 |
| 26) 2-Nitrophenol | 9.97 | 139 | 73410 | 40.149 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 10.02 | 122 | 116766 | 40.204 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93 | 180024 | 39.686 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.50 | 162 | 128721 | 40.832 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.72 | 180 | 141187 | 40.787 | ng | | 97 |
| 31) Naphthalene | 10.91 | 128 | 420461 | 41.415 | ng | | 99 |
| 32) Benzoic acid | 10.15 | 122 | 45217 | 25.768 | ng | | 91 |
| 33) 4-Chloroaniline | 11.03 | 127 | 176423 | 40.739 | ng | | 96 |
| 34) Hexachlorobutadiene | 11.17 | 225 | 89944 | 40.629 | ng | | 99 |
| 35) Caprolactam | 11.81 | 113 | 52156 | 41.690 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 12.14 | 107 | 153914 | 42.469 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.51 | 142 | 306941 | 40.878 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.73 | 142 | 297246 | 40.824 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.87 | 216 | 158964 | 40.764 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.84 | 237 | 77430 | 36.163 ng | | 94 |
| 43) 2,4,6-Trichlorophenol | 13.11 | 196 | 103573 | 41.195 ng | | 94 |
| 44) 2,4,5-Trichlorophenol | 13.19 | 196 | 114834 | 41.904 ng | | 98 |
| 46) 1,1'-Biphenyl | 13.51 | 154 | 403268 | 41.599 ng | | 97 |
| 47) 2-Chloronaphthalene | 13.56 | 162 | 309210 | 41.582 ng | | 99 |
| 48) 2-Nitroaniline | 13.77 | 65 | 107372 | 42.807 ng | | 94 |
| 49) Acenaphthylene | 14.40 | 152 | 536655 | 42.565 ng | | 100 |
| 50) Dimethylphthalate | 14.13 | 163 | 415235 | 43.243 ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.26 | 165 | 96293 | 44.661 ng | | 95 |
| 52) Acenaphthene | 14.75 | 154 | 305362 | 42.268 ng | | 95 |
| 53) 3-Nitroaniline | 14.60 | 138 | 103109 | 45.178 ng | # | 96 |
| 54) 2,4-Dinitrophenol | 14.80 | 184 | 42880 | 37.396 ng | | 96 |
| 55) Dibenzofuran | 15.07 | 168 | 505250 | 43.524 ng | | 99 |
| 56) 4-Nitrophenol | 14.90 | 139 | 70973 | 38.531 ng | | 98 |
| 57) 2,4-Dinitrotoluene | 15.05 | 165 | 139757 | 46.650 ng | | 97 |
| 58) Fluorene | 15.73 | 166 | 406296 | 44.516 ng | | 96 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.30 | 232 | 110270 | 44.343 ng | | 99 |
| 60) Diethylphthalate | 15.48 | 149 | 447417 | 45.534 ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 15.71 | 204 | 216430 | 44.363 ng | | 98 |
| 62) 4-Nitroaniline | 15.76 | 138 | 115109 | 46.997 ng | | 97 |
| 63) Azobenzene | 16.00 | 77 | 415731 | 44.854 ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.80 | 198 | 73230 | 40.080 ng | | 99 |
| 66) n-Nitrosodiphenylamine | 15.93 | 169 | 376320 | 39.543 ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.61 | 248 | 145252 | 39.689 ng | | 98 |
| 68) Hexachlorobenzene | 16.72 | 284 | 147419 | 40.062 ng | | 97 |
| 69) Atrazine | 16.87 | 200 | 142092 | 40.138 ng | | 99 |
| 70) Pentachlorophenol | 17.07 | 266 | 70971 | 33.360 ng | | 96 |
| 71) Phenanthrene | 17.47 | 178 | 715181 | 41.839 ng | | 98 |
| 72) Anthracene | 17.56 | 178 | 713047 | 41.675 ng | | 100 |
| 73) Carbazole | 17.83 | 167 | 699247 | 43.184 ng | | 98 |
| 74) Di-n-butylphthalate | 18.36 | 149 | 839421 | 43.735 ng | | 99 |
| 75) Fluoranthene | 19.48 | 202 | 911085 | 45.011 ng | | 99 |
| 77) Benzidine | 19.66 | 184 | 469481 | 35.483 ng | | 99 |
| 78) Pyrene | 19.83 | 202 | 929942 | 38.595 ng | | 99 |
| 80) Butylbenzylphthalate | 20.70 | 149 | 418242 | 40.565 ng | | 95 |
| 81) Benzo(a)anthracene | 21.68 | 228 | 908591 | 40.260 ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.60 | 252 | 343657 | 40.030 ng | | 99 |
| 83) Chrysene | 21.74 | 228 | 878036 | 40.482 ng | | 100 |
| 84) Bis(2-ethylhexyl)phthalate | 21.54 | 149 | 603323 | 40.935 ng | | 100 |
| 85) Di-n-octyl phthalate | 22.77 | 149 | 1021920 | 40.696 ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.74 | 276 | 1049097 | 39.548 ng | | 99 |
| 88) Benzo(b)fluoranthene | 23.93 | 252 | 946682 | 41.319 ng | | 98 |
| 89) Benzo(k)fluoranthene | 24.00 | 252 | 869239 | 41.256 ng | | 99 |
| 90) Benzo(a)pyrene | 24.82 | 252 | 899581 | 41.847 ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.81 | 278 | 839824 | 42.064 ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.93 | 276 | 848040 | 41.331 ng | | 97 |

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

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