Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG022619\
Data File : BG039597.D
Acq On : 26 Feb 2019 12:45
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 26 23:55:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 29 15:41:51 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.17 | 152 | 53740 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.99 | 136 | 227913 | 20.00 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 14.79 | 164 | 155824 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 17.54 | 188 | 384579 | 20.00 | ng | | -0.02 |
| 76) Chrysene-d12 | 21.82 | 240 | 383142 | 20.00 | ng | | -0.02 |
| 87) Perylene-d12 | 25.20 | 264 | 399178 | 20.00 | ng | | -0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.71 | 112 | 249928 | 79.60 | ng | | 0.00 |
| 7) Phenol-d6 | 7.31 | 99 | 367343 | 79.48 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.35 | 82 | 345195 | 94.62 | ng | | -0.02 |
| 42) 2,4,6-Tribromophenol | 16.28 | 330 | 154655 | 92.17 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 13.42 | 172 | 841266 | 77.45 | ng | | -0.02 |
| 79) Terphenyl-d14 | 20.13 | 244 | 1397544 | 77.21 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.61 | 88 | 55081 | 40.103 | ng | | 94 |
| 3) Pyridine | 4.01 | 79 | 151565 | 41.679 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.93 | 42 | 65964 | 36.271 | ng | | 86 |
| 6) Aniline | 7.50 | 93 | 223131 | 38.542 | ng | | 96 |
| 8) 2-Chlorophenol | 7.73 | 128 | 137865 | 40.168 | ng | | 97 |
| 9) Benzaldehyde | 7.31 | 77 | 90812 | 39.086 | ng | | 96 |
| 10) Phenol | 7.34 | 94 | 190964 | 39.636 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 7.58 | 93 | 146321 | 38.434 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 8.05 | 146 | 162885 | 39.175 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.21 | 146 | 164764 | 39.757 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.52 | 146 | 157289 | 39.205 | ng | | 98 |
| 15) Benzyl Alcohol | 8.41 | 79 | 142535 | 39.281 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.69 | 45 | 288323 | 33.536 | ng | | 99 |
| 17) 2-Methylphenol | 8.60 | 107 | 121486 | 38.965 | ng | | 96 |
| 18) Hexachloroethane | 9.25 | 117 | 56903 | 39.910 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 8.97 | 70 | 123680 | 37.702 | ng | | 93 |
| 20) 3+4-Methylphenols | 8.93 | 107 | 170498 | 39.711 | ng | | 97 |
| 22) Acetophenone | 9.00 | 105 | 244742 | 39.977 | ng | # | 94 |
| 24) Nitrobenzene | 9.39 | 77 | 176300 | 44.731 | ng | | 95 |
| 25) Isophorone | 9.90 | 82 | 310728 | 38.435 | ng | | 100 |
| 26) 2-Nitrophenol | 10.10 | 139 | 88284 | 54.696 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 10.14 | 122 | 132188 | 40.420 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.38 | 93 | 199676 | 40.099 | ng | | 95 |
| 29) 2,4-Dichlorophenol | 10.63 | 162 | 153720 | 43.007 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.84 | 180 | 167416 | 41.720 | ng | | 98 |
| 31) Naphthalene | 11.04 | 128 | 446196 | 39.463 | ng | | 99 |
| 32) Benzoic acid | 10.26 | 122 | 98307 | 46.299 | ng | | 93 |
| 33) 4-Chloroaniline | 11.15 | 127 | 211665 | 40.375 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.30 | 225 | 111621 | 41.826 | ng | | 94 |
| 35) Caprolactam | 11.94 | 113 | 66189 | 44.750 | ng | # | 88 |
| 36) 4-Chloro-3-methylphenol | 12.25 | 107 | 173968 | 42.085 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.63 | 142 | 328487 | 39.226 | ng | | 96 |
| 38) 1-Methylnaphthalene | 12.85 | 142 | 315226 | 39.050 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.99 | 216 | 202833 | 40.911 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.95 | 237 | 116869 | 43.259 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.23 | 196 | 134263 | 44.044 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 13.30 | 196 | 140061 | 43.839 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.63 | 154 | 494785 | 38.163 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.68 | 162 | 382798 | 39.248 | ng | | 98 |
| 48) 2-Nitroaniline | 13.88 | 65 | 133271 | 47.642 | ng | | 94 |
| 49) Acenaphthylene | 14.52 | 152 | 578899 | 39.336 | ng | | 99 |
| 50) Dimethylphthalate | 14.24 | 163 | 505694 | 40.182 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.37 | 165 | 113939 | 48.382 | ng | | 95 |
| 52) Acenaphthene | 14.86 | 154 | 367878 | 38.509 | ng | | 99 |
| 53) 3-Nitroaniline | 14.70 | 138 | 121124 | 47.759 | ng | # | 94 |
| 54) 2,4-Dinitrophenol | 14.90 | 184 | 58393 | 62.804 | ng | | 91 |
| 55) Dibenzofuran | 15.19 | 168 | 603420 | 39.396 | ng | | 98 |
| 56) 4-Nitrophenol | 14.99 | 139 | 100705 | 46.845 | ng | | 89 |
| 57) 2,4-Dinitrotoluene | 15.15 | 165 | 161982 | 52.824 | ng | # | 88 |
| 58) Fluorene | 15.84 | 166 | 454857 | 39.837 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.41 | 232 | 136282 | 45.557 | ng | | 96 |
| 60) Diethylphthalate | 15.59 | 149 | 518950 | 39.883 | ng | | 97 |
| 61) 4-Chlorophenyl-phenylether | 15.82 | 204 | 262865 | 40.659 | ng | | 96 |
| 62) 4-Nitroaniline | 15.87 | 138 | 127163 | 48.169 | ng | | 90 |
| 63) Azobenzene | 16.11 | 77 | 466854 | 36.708 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.91 | 198 | 100579 | 60.275 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 16.04 | 169 | 452859 | 38.727 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.72 | 248 | 175778 | 41.200 | ng | | 90 |
| 68) Hexachlorobenzene | 16.83 | 284 | 177771 | 41.530 | ng | | 97 |
| 69) Atrazine | 16.98 | 200 | 148367 | 34.719 | ng | | 97 |
| 70) Pentachlorophenol | 17.17 | 266 | 125028 | 42.025 | ng | | 97 |
| 71) Phenanthrene | 17.58 | 178 | 770788 | 38.724 | ng | | 97 |
| 72) Anthracene | 17.67 | 178 | 767130 | 39.127 | ng | | 98 |
| 73) Carbazole | 17.94 | 167 | 763174 | 39.004 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.47 | 149 | 885838 | 38.806 | ng | | 99 |
| 75) Fluoranthene | 19.58 | 202 | 918332 | 39.749 | ng | | 98 |
| 77) Benzidine | 19.76 | 184 | 442080 | 35.193 | ng | | 98 |
| 78) Pyrene | 19.94 | 202 | 941542 | 39.475 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.81 | 149 | 403870 | 40.140 | ng | | 95 |
| 81) Benzo(a)anthracene | 21.81 | 228 | 895184 | 39.541 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.72 | 252 | 349621 | 41.648 | ng | | 98 |
| 83) Chrysene | 21.88 | 228 | 853588 | 39.607 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.67 | 149 | 573658 | 39.965 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.93 | 149 | 945103 | 39.853 | ng | | 96 |
| 86) Indeno(1,2,3-cd)pyrene | 29.08 | 276 | 980942 | 42.423 | ng | # | 95 |
| 88) Benzo(b)fluoranthene | 24.12 | 252 | 856408 | 39.340 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.19 | 252 | 836391 | 38.268 | ng | | 98 |
| 90) Benzo(a)pyrene | 25.04 | 252 | 834015 | 39.780 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 29.16 | 278 | 798741 | 40.681 | ng | | 100 |
| 92) Benzo(g,h,i)perylene | 30.31 | 276 | 805606 | 41.165 | ng | | 99 |

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

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