Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021419\
Data File : BG039506.D
Acq On : 14 Feb 2019 9:57
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 14 15:59:53 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 | 56160 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.99 | 136 | 269468 | 20.00 | ng | | -0.02 |
| 39) Acenaphthene-d10 | 14.80 | 164 | 194033 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.54 | 188 | 432264 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.83 | 240 | 417991 | 20.00 | ng | | -0.02 |
| 87) Perylene-d12 | 25.21 | 264 | 430173 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.72 | 112 | 278846 | 84.98 | ng | | 0.00 |
| 7) Phenol-d6 | 7.32 | 99 | 457724 | 94.77 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.35 | 82 | 402286 | 93.26 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 16.28 | 330 | 182060 | 87.13 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.42 | 172 | 1023557 | 75.67 | ng | | -0.01 |
| 79) Terphenyl-d14 | 20.13 | 244 | 1489660 | 75.44 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.61 | 88 | 50465 | 35.159 | ng | | 94 |
| 3) Pyridine | 4.01 | 79 | 148546 | 39.089 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 3.93 | 42 | 68054 | 35.808 | ng | | 90 |
| 6) Aniline | 7.50 | 93 | 254786 | 42.114 | ng | | 96 |
| 8) 2-Chlorophenol | 7.73 | 128 | 161757 | 45.098 | ng | | 97 |
| 9) Benzaldehyde | 7.31 | 77 | 104068 | 44.553 | ng | | 96 |
| 10) Phenol | 7.34 | 94 | 238171 | 47.304 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.58 | 93 | 162053 | 40.732 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 8.06 | 146 | 171828 | 39.545 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.21 | 146 | 176172 | 40.678 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.53 | 146 | 170379 | 40.638 | ng | | 98 |
| 15) Benzyl Alcohol | 8.41 | 79 | 169527 | 44.707 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.68 | 45 | 303754 | 33.809 | ng | | 100 |
| 17) 2-Methylphenol | 8.61 | 107 | 153287 | 47.046 | ng | | 97 |
| 18) Hexachloroethane | 9.26 | 117 | 61358 | 41.180 | ng | | 95 |
| 19) n-Nitroso-di-n-propylamine | 8.98 | 70 | 139221 | 40.611 | ng | | 93 |
| 20) 3+4-Methylphenols | 8.93 | 107 | 222832 | 49.664 | ng | | 97 |
| 22) Acetophenone | 9.00 | 105 | 278017 | 38.409 | ng | # | 94 |
| 24) Nitrobenzene | 9.39 | 77 | 204471 | 43.878 | ng | | 95 |
| 25) Isophorone | 9.90 | 82 | 357784 | 37.431 | ng | | 97 |
| 26) 2-Nitrophenol | 10.10 | 139 | 108220 | 56.165 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 10.14 | 122 | 169929 | 43.947 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 10.39 | 93 | 232778 | 39.537 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.63 | 162 | 208039 | 49.228 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.85 | 180 | 196662 | 41.450 | ng | | 99 |
| 31) Naphthalene | 11.04 | 128 | 522048 | 39.052 | ng | | 99 |
| 32) Benzoic acid | 10.28 | 122 | 129071 | 50.417 | ng | | 95 |
| 33) 4-Chloroaniline | 11.16 | 127 | 265304 | 42.802 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.31 | 225 | 126661 | 40.143 | ng | | 93 |
| 35) Caprolactam | 11.95 | 113 | 80195 | 45.858 | ng | # | 91 |
| 36) 4-Chloro-3-methylphenol | 12.25 | 107 | 223479 | 45.726 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.64 | 142 | 396051 | 40.000 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.85 | 142 | 388226 | 40.676 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.99 | 216 | 246408 | 39.913 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.96 | 237 | 142848 | 42.463 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.23 | 196 | 175858 | 46.329 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 13.31 | 196 | 183889 | 46.223 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.63 | 154 | 607705 | 37.643 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.68 | 162 | 475316 | 39.137 | ng | | 98 |
| 48) 2-Nitroaniline | 13.89 | 65 | 161952 | 46.694 | ng | | 93 |
| 49) Acenaphthylene | 14.52 | 152 | 701955 | 38.305 | ng | | 100 |
| 50) Dimethylphthalate | 14.25 | 163 | 595818 | 38.021 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.37 | 165 | 137994 | 47.237 | ng | | 94 |
| 52) Acenaphthene | 14.86 | 154 | 443154 | 37.254 | ng | | 97 |
| 53) 3-Nitroaniline | 14.71 | 138 | 141556 | 45.180 | ng | # | 91 |
| 54) 2,4-Dinitrophenol | 14.91 | 184 | 47464 | 46.376 | ng | | 89 |
| 55) Dibenzofuran | 15.19 | 168 | 733045 | 38.435 | ng | | 99 |
| 56) 4-Nitrophenol | 15.00 | 139 | 107078 | 40.848 | ng | # | 87 |
| 57) 2,4-Dinitrotoluene | 15.16 | 165 | 188409 | 49.858 | ng | # | 86 |
| 58) Fluorene | 15.84 | 166 | 539046 | 37.914 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.41 | 232 | 160000 | 42.953 | ng | | 95 |
| 60) Diethylphthalate | 15.60 | 149 | 589197 | 36.364 | ng | | 97 |
| 61) 4-Chlorophenyl-phenylether | 15.83 | 204 | 322768 | 40.093 | ng | | 94 |
| 62) 4-Nitroaniline | 15.87 | 138 | 137955 | 42.508 | ng | | 95 |
| 63) Azobenzene | 16.12 | 77 | 547722 | 34.586 | ng | | 95 |
| 65) 4,6-Dinitro-2-methylphenol | 15.91 | 198 | 83365 | 48.675 | ng | | 90 |
| 66) n-Nitrosodiphenylamine | 16.04 | 169 | 527871 | 40.162 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.72 | 248 | 203351 | 42.405 | ng | | 93 |
| 68) Hexachlorobenzene | 16.83 | 284 | 210160 | 43.680 | ng | | 96 |
| 69) Atrazine | 16.98 | 200 | 179248 | 37.318 | ng | | 96 |
| 70) Pentachlorophenol | 17.18 | 266 | 128836 | 38.528 | ng | | 98 |
| 71) Phenanthrene | 17.58 | 178 | 857185 | 38.314 | ng | | 99 |
| 72) Anthracene | 17.68 | 178 | 849036 | 38.527 | ng | | 99 |
| 73) Carbazole | 17.95 | 167 | 814729 | 37.045 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.47 | 149 | 955594 | 37.244 | ng | | 99 |
| 75) Fluoranthene | 19.59 | 202 | 990863 | 38.157 | ng | | 99 |
| 77) Benzidine | 19.76 | 184 | 510887 | 37.280 | ng | | 98 |
| 78) Pyrene | 19.94 | 202 | 1000749 | 38.459 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.81 | 149 | 440127 | 40.097 | ng | | 94 |
| 81) Benzo(a)anthracene | 21.81 | 228 | 957399 | 38.763 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.72 | 252 | 371613 | 40.577 | ng | | 99 |
| 83) Chrysene | 21.88 | 228 | 909981 | 38.703 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.68 | 149 | 614782 | 39.259 | ng | # | 99 |
| 85) Di-n-octyl phthalate | 22.95 | 149 | 1028247 | 39.745 | ng | | 96 |
| 86) Indeno(1,2,3-cd)pyrene | 29.10 | 276 | 1059591 | 42.004 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 24.13 | 252 | 940974 | 40.110 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 24.20 | 252 | 895961 | 38.040 | ng | | 98 |
| 90) Benzo(a)pyrene | 25.05 | 252 | 906074 | 40.103 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 29.17 | 278 | 858321 | 40.566 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 30.33 | 276 | 867852 | 41.151 | ng | | 97 |

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

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