Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111119\
Data File : BG043585.D
Acq On : 11 Nov 2019 16:07
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 12 00:46:20 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 04 15:22:15 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.00 | 152 | 38417 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.81 | 136 | 149812 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.63 | 164 | 102343 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.38 | 188 | 246745 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.65 | 240 | 263822 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 24.83 | 264 | 310871 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 180584 | 86.14 | ng | | 0.00 |
| 7) Phenol-d6 | 7.20 | 99 | 250061 | 82.90 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.17 | 82 | 238874 | 82.20 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.13 | 330 | 156588 | 80.40 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.26 | 172 | 622467 | 84.04 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.99 | 244 | 1160524 | 82.53 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.47 | 88 | 33867 | 41.454 | ng | | 92 |
| 3) Pyridine | 3.87 | 79 | 91740 | 44.515 | ng | | 94 |
| 4) n-Nitrosodimethylamine | 3.79 | 42 | 46540 | 44.753 | ng | # | 89 |
| 6) Aniline | 7.33 | 93 | 143426 | 41.277 | ng | | 98 |
| 8) 2-Chlorophenol | 7.58 | 128 | 93869 | 40.561 | ng | | 98 |
| 9) Benzaldehyde | 7.14 | 77 | 60705 | 40.952 | ng | | 86 |
| 10) Phenol | 7.23 | 94 | 112323 | 40.751 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.42 | 93 | 84010 | 39.422 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 7.89 | 146 | 120160 | 41.440 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.04 | 146 | 119702 | 40.803 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.36 | 146 | 114342 | 39.918 | ng | | 97 |
| 15) Benzyl Alcohol | 8.25 | 79 | 89333 | 42.170 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.53 | 45 | 121164 | 39.102 | ng | | 96 |
| 17) 2-Methylphenol | 8.47 | 107 | 81631 | 40.625 | ng | | 94 |
| 18) Hexachloroethane | 9.08 | 117 | 43582 | 41.176 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 8.80 | 70 | 73427 | 37.672 | ng | # | 90 |
| 20) 3+4-Methylphenols | 8.80 | 107 | 111906 | 40.614 | ng | | 98 |
| 22) Acetophenone | 8.83 | 105 | 155858 | 40.625 | ng | # | 92 |
| 24) Nitrobenzene | 9.21 | 77 | 112301 | 40.568 | ng | # | 96 |
| 25) Isophorone | 9.73 | 82 | 206318 | 38.834 | ng | | 98 |
| 26) 2-Nitrophenol | 9.92 | 139 | 56109 | 41.984 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 10.00 | 122 | 79278 | 41.388 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 10.21 | 93 | 119895 | 40.889 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.48 | 162 | 101535 | 41.371 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.67 | 180 | 124932 | 40.389 | ng | | 96 |
| 31) Naphthalene | 10.85 | 128 | 308080 | 40.514 | ng | | 98 |
| 32) Benzoic acid | 10.18 | 122 | 53444 | 38.701 | ng | | 93 |
| 33) 4-Chloroaniline | 10.97 | 127 | 130732 | 41.940 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.14 | 225 | 92586 | 40.491 | ng | | 97 |
| 35) Caprolactam | 11.75 | 113 | 31896 | 37.735 | ng | # | 89 |
| 36) 4-Chloro-3-methylphenol | 12.12 | 107 | 106014 | 39.601 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.46 | 142 | 228808 | 39.215 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.68 | 142 | 219910 | 39.612 | ng | | 95 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.83 | 216 | 163857 | 43.262 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.81 | 237 | 150941 | 75.864 | ng | 97 |
| 43) 2,4,6-Trichlorophenol | 13.08 | 196 | 91822 | 41.166 | ng | 96 |
| 44) 2,4,5-Trichlorophenol | 13.17 | 196 | 91839 | 40.726 | ng | 96 |
| 46) 1,1'-Biphenyl | 13.47 | 154 | 326828 | 41.978 | ng | 96 |
| 47) 2-Chloronaphthalene | 13.51 | 162 | 247363 | 41.757 | ng | 99 |
| 48) 2-Nitroaniline | 13.72 | 65 | 76297 | 43.093 | ng | 96 |
| 49) Acenaphthylene | 14.36 | 152 | 383947 | 41.644 | ng | 99 |
| 50) Dimethylphthalate | 14.09 | 163 | 326755 | 41.220 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 14.21 | 165 | 71702 | 41.635 | ng | 96 |
| 52) Acenaphthene | 14.70 | 154 | 231533 | 41.180 | ng | 97 |
| 53) 3-Nitroaniline | 14.55 | 138 | 70991 | 42.696 | ng | 98 |
| 54) 2,4-Dinitrophenol | 14.76 | 184 | 55101 | 53.856 | ng | 95 |
| 55) Dibenzofuran | 15.03 | 168 | 377616 | 41.415 | ng | 98 |
| 56) 4-Nitrophenol | 14.90 | 139 | 45617 | 40.940 | ng | 94 |
| 57) 2,4-Dinitrotoluene | 15.00 | 165 | 101724 | 41.332 | ng | 97 |
| 58) Fluorene | 15.68 | 166 | 316497 | 41.387 | ng | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.27 | 232 | 91523 | 38.200 | ng | 93 |
| 60) Diethylphthalate | 15.45 | 149 | 321557 | 40.371 | ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.67 | 204 | 181446 | 40.672 | ng | 96 |
| 62) 4-Nitroaniline | 15.72 | 138 | 75411 | 43.916 | ng | 96 |
| 63) Azobenzene | 15.97 | 77 | 266304 | 41.311 | ng | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 15.77 | 198 | 56880 | 39.171 | ng | 94 |
| 66) n-Nitrosodiphenylamine | 15.89 | 169 | 277106 | 39.778 | ng | 98 |
| 67) 4-Bromophenyl-phenylether | 16.57 | 248 | 132420 | 39.878 | ng | 98 |
| 68) Hexachlorobenzene | 16.69 | 284 | 149490 | 39.219 | ng | 97 |
| 69) Atrazine | 16.84 | 200 | 82291 | 33.996 | ng | 99 |
| 70) Pentachlorophenol | 17.04 | 266 | 71232 | 41.013 | ng | 99 |
| 71) Phenanthrene | 17.42 | 178 | 502828 | 39.796 | ng | 100 |
| 72) Anthracene | 17.52 | 178 | 503877 | 39.858 | ng | 99 |
| 73) Carbazole | 17.79 | 167 | 456284 | 39.857 | ng | 97 |
| 74) Di-n-butylphthalate | 18.33 | 149 | 562843 | 40.520 | ng | 99 |
| 75) Fluoranthene | 19.43 | 202 | 658563 | 39.980 | ng | 99 |
| 77) Benzidine | 19.61 | 184 | 243884 | 45.934 | ng | 98 |
| 78) Pyrene | 19.80 | 202 | 658058 | 40.297 | ng | 100 |
| 80) Butylbenzylphthalate | 20.68 | 149 | 260629 | 42.126 | ng | 98 |
| 81) Benzo(a)anthracene | 21.63 | 228 | 682870 | 41.322 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.55 | 252 | 276816 | 43.308 | ng | 100 |
| 83) Chrysene | 21.69 | 228 | 669745 | 40.790 | ng | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.53 | 149 | 371920 | 42.319 | ng | 97 |
| 85) Di-n-octyl phthalate | 22.72 | 149 | 640149 | 42.933 | ng | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 28.48 | 276 | 874699 | 42.439 | ng | 100 |
| 88) Benzo(b)fluoranthene | 23.83 | 252 | 717882 | 40.773 | ng | 98 |
| 89) Benzo(k)fluoranthene | 23.89 | 252 | 744075 | 41.979 | ng | 98 |
| 90) Benzo(a)pyrene | 24.69 | 252 | 701401 | 41.717 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.54 | 278 | 730692 | 42.489 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 29.61 | 276 | 709532 | 41.827 | ng | 98 |

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

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