Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090618\
Data File : BG036590.D
Acq On : 7 Sep 2018 10:32
Operator : JU/SJ
Sample : PB112623BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB112623BS

Quant Time: Sep 07 11:59:14 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 23 12:07:02 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.06 | 152 | 56328 | 20.00 | ng | -0.02 |
| 21) Naphthalene-d8 | 10.86 | 136 | 241633 | 20.00 | ng | -0.02 |
| 38) Acenaphthene-d10 | 14.68 | 164 | 166801 | 20.00 | ng | -0.02 |
| 63) Phenanthrene-d10 | 17.42 | 188 | 428537 | 20.00 | ng | -0.02 |
| 75) Chrysene-d12 | 21.69 | 240 | 427386 | 20.00 | ng | -0.02 |
| 86) Perylene-d12 | 24.90 | 264 | 437349 | 20.00 | ng | -0.04 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.63 | 112 | 421550 | 118.72 | ng | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 585189 | 115.10 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.22 | 82 | 348829 | 78.33 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.17 | 330 | 254323 | 127.78 | ng | -0.02 |
| 44) 2-Fluorobiphenyl | 13.30 | 172 | 843376 | 72.19 | ng | -0.02 |
| 78) Terphenyl-d14 | 20.03 | 244 | 1408726 | 77.04 | ng | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.53 | 88 | 45862 | 27.675 | ng | 99 |
| 3) Pyridine | 3.92 | 79 | 145495 | 31.278 | ng | 95 |
| 4) n-Nitrosodimethylamine | 3.84 | 42 | 73656 | 35.551 | ng | 82 |
| 6) Aniline | 7.38 | 93 | 185323 | 28.718 | ng | 98 |
| 8) 2-Chlorophenol | 7.62 | 128 | 157152 | 40.811 | ng | 96 |
| 9) Benzaldehyde | 7.19 | 77 | 100706 | 28.765 | ng | 99 |
| 10) Phenol | 7.24 | 94 | 225676 | 42.417 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 7.48 | 93 | 148613 | 35.234 | ng | 96 |
| 12) 1,3-Dichlorobenzene | 7.95 | 146 | 159884 | 36.362 | ng | 98 |
| 13) 1,4-Dichlorobenzene | 8.09 | 146 | 164271 | 37.003 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 8.41 | 146 | 157273 | 37.096 | ng | 97 |
| 15) Benzyl Alcohol | 8.29 | 79 | 161207 | 39.334 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58 | 45 | 278705 | 32.765 | ng | 98 |
| 17) 2-Methylphenol | 8.49 | 107 | 148835 | 42.130 | ng | 99 |
| 18) Hexachloroethane | 9.14 | 117 | 58318 | 36.640 | ng | 93 |
| 19) n-Nitroso-di-n-propylamine | 8.86 | 70 | 129117 | 33.982 | ng | 96 |
| 20) 3+4-Methylphenols | 8.82 | 107 | 206781 | 41.925 | ng | 99 |
| 22) Acetophenone | 8.87 | 105 | 244057 | 38.463 | ng | 98 |
| 24) Nitrobenzene | 9.26 | 77 | 194048 | 40.407 | ng | 97 |
| 25) Isophorone | 9.78 | 82 | 363174 | 41.050 | ng | 98 |
| 26) 2-Nitrophenol | 9.97 | 139 | 90171 | 47.383 | ng | 94 |
| 27) 2,4-Dimethylphenol | 10.03 | 122 | 163181 | 46.316 | ng | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93 | 214057 | 39.423 | ng | 97 |
| 29) 2,4-Dichlorophenol | 10.51 | 162 | 176911 | 45.817 | ng | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.73 | 180 | 175885 | 38.938 | ng | 100 |
| 31) Naphthalene | 10.91 | 128 | 504367 | 41.756 | ng | 99 |
| 32) Benzoic acid | 10.14 | 122 | 94637 | 37.329 | ng | 94 |
| 33) 4-Chloroaniline | 11.01 | 127 | 137386 | 24.821 | ng | 97 |
| 34) Hexachlorobutadiene | 11.20 | 225 | 117356 | 38.669 | ng | 96 |
| 35) Caprolactam | 11.78 | 113 | 67887 | 44.135 | ng | 94 |
| 36) 4-Chloro-3-methylphenol | 12.13 | 107 | 196398 | 43.774 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.51 | 142 | 398568 | 45.096 | ng | 97 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.88 | 216 | 228054 | 38.634 | ng | 100 |
| 40) Hexachlorocyclopentadiene | 12.86 | 237 | 272625 | 88.766 | ng | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.11 | 196 | 155276 | 43.183 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.19 | 196 | 171146 | 44.624 | ng | | 95 |
| 45) 1,1'-Biphenyl | 13.52 | 154 | 510386 | 36.862 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.56 | 162 | 404669 | 38.284 | ng | | 100 |
| 47) 2-Nitroaniline | 13.76 | 65 | 145235 | 43.756 | ng | | 96 |
| 48) Acenaphthylene | 14.40 | 152 | 679778 | 41.150 | ng | | 99 |
| 49) Dimethylphthalate | 14.13 | 163 | 547295 | 40.182 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.25 | 165 | 121258 | 43.265 | ng | | 94 |
| 51) Acenaphthene | 14.74 | 154 | 408195 | 38.583 | ng | | 98 |
| 52) 3-Nitroaniline | 14.58 | 138 | 101108 | 33.477 | ng | | 96 |
| 53) 2,4-Dinitrophenol | 14.79 | 184 | 82118 | 77.354 | ng | | 97 |
| 54) Dibenzofuran | 15.08 | 168 | 654249 | 39.472 | ng | | 99 |
| 55) 4-Nitrophenol | 14.88 | 139 | 191090 | 77.382 | ng | | 98 |
| 56) 2,4-Dinitrotoluene | 15.04 | 165 | 173689 | 47.551 | ng | | 87 |
| 57) Fluorene | 15.73 | 166 | 526148 | 42.463 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.30 | 232 | 172512 | 47.875 | ng | | 94 |
| 59) Diethylphthalate | 15.50 | 149 | 538336 | 39.219 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.72 | 204 | 301677 | 39.429 | ng | | 95 |
| 61) 4-Nitroaniline | 15.74 | 138 | 134881 | 42.677 | ng | | 92 |
| 62) Azobenzene | 16.01 | 77 | 526014 | 37.664 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 15.80 | 198 | 81563 | 43.327 | ng | | 95 |
| 65) n-Nitrosodiphenylamine | 15.93 | 169 | 484700 | 38.066 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 16.61 | 248 | 198950 | 39.653 | ng | | 99 |
| 67) Hexachlorobenzene | 16.73 | 284 | 203367 | 39.640 | ng | | 97 |
| 68) Atrazine | 16.88 | 200 | 210554 | 44.054 | ng | | 98 |
| 69) Pentachlorophenol | 17.07 | 266 | 224534 | 64.396 | ng | | 99 |
| 70) Phenanthrene | 17.46 | 178 | 902208 | 41.433 | ng | | 99 |
| 71) Anthracene | 17.56 | 178 | 912260 | 42.028 | ng | | 99 |
| 72) Carbazole | 17.82 | 167 | 803042 | 37.045 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.38 | 149 | 911149 | 37.745 | ng | | 100 |
| 74) Fluoranthene | 19.47 | 202 | 1088468 | 40.999 | ng | | 99 |
| 76) Benzidine | 19.65 | 184 | 423111 | 31.030 | ng | | 100 |
| 77) Pyrene | 19.83 | 202 | 1066771 | 40.590 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.72 | 149 | 422671 | 40.411 | ng | | 94 |
| 80) Benzo(a)anthracene | 21.67 | 228 | 1063399 | 41.071 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.58 | 252 | 280560 | 27.189 | ng | | 99 |
| 82) Chrysene | 21.74 | 228 | 987132 | 40.222 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.58 | 149 | 567486 | 38.772 | ng | | 99 |
| 84) Di-n-octyl phthalate | 22.79 | 149 | 970036 | 39.679 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 28.55 | 276 | 1094855 | 38.409 | ng | # | 95 |
| 87) Benzo(b)fluoranthene | 23.88 | 252 | 1058051 | 43.566 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 23.95 | 252 | 1006009 | 42.400 | ng | | 99 |
| 89) Benzo(a)pyrene | 24.75 | 252 | 1010696 | 43.308 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 28.61 | 278 | 890374 | 39.520 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 29.70 | 276 | 895187 | 39.539 | ng | | 97 |

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

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