Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021318\
Data File : BG032668.D
Acq On : 13 Feb 2018 19:50
Operator : SJ/JU
Sample : J1397-02MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
CL-01-021218-AMS

**Manual Integrations APPROVED**
Sohil
2/14/2018 10:31:10 AM

Quant Time: Feb 14 03:28:33 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 12 18:08:01 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.67 | 152 | 36109 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.55 | 136 | 153856 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 15.31 | 164 | 109877 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 18.04 | 188 | 281495 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 22.37 | 240 | 346078 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 26.01 | 264 | 366639 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.12 | 112 | 285583 | 158.68 | ng | | 0.00 |
| 7) Phenol-d6 | 7.80 | 99 | 324800 | 131.98 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.87 | 82 | 245604 | 101.45 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.79 | 330 | 250023 | 147.78 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.93 | 172 | 822198 | 93.58 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.59 | 244 | 1524303 | 100.39 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.80 | 88 | 29659 | 39.394 | ng | # | 70 |
| 3) Pyridine | 4.25 | 79 | 67772 | 35.095 | ng | | 87 |
| 4) n-Nitrosodimethylamine | 4.15 | 42 | 49591 | 54.652 | ng | # | 73 |
| 6) Aniline | 7.97 | 93 | 31956 | 10.987 | ng | # | 88 |
| 8) 2-Chlorophenol | 8.22 | 128 | 114810 | 55.476 | ng | | 85 |
| 9) Benzaldehyde | 7.78 | 77 | 17349 | 11.929 | ng | | 85 |
| 10) Phenol | 7.82 | 94 | 107630 | 44.969 | ng | | 86 |
| 11) bis(2-Chloroethyl)ether | 8.06 | 93 | 89988 | 46.898 | ng | # | 79 |
| 12) 1,3-Dichlorobenzene | 8.56 | 146 | 133472 | 45.728 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.71 | 146 | 130849 | 45.376 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 9.04 | 146 | 130894 | 45.004 | ng | | 96 |
| 15) Benzyl Alcohol | 8.91 | 79 | 93169 | 50.511 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropropan | 9.20 | 45 | 92254 | 44.673 | ng | | 72 |
| 17) 2-Methylphenol | 9.11 | 107 | 80553 | 47.523 | ng | # | 92 |
| 18) Hexachloroethane | 9.78 | 117 | 48204 | 45.781 | ng | # | 79 |
| 19) n-Nitroso-di-n-propylamine | 9.48 | 70 | 76570 | 46.282 | ng | # | 94 |
| 20) 3+4-Methylphenols | 9.45 | 107 | 110038 | 42.952 | ng | | 95 |
| 22) Acetophenone | 9.51 | 105 | 159293 | 48.681 | ng | # | 96 |
| 24) Nitrobenzene | 9.91 | 77 | 116804 | 46.082 | ng | | 95 |
| 25) Isophorone | 10.44 | 82 | 223182 | 48.355 | ng | # | 85 |
| 26) 2-Nitrophenol | 10.64 | 139 | 65303 | 48.171 | ng | # | 87 |
| 27) 2,4-Dimethylphenol | 10.68 | 122 | 108433 | 60.881 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.92 | 93 | 120324 | 50.997 | ng | # | 96 |
| 29) 2,4-Dichlorophenol | 11.18 | 162 | 131981 | 50.629 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 11.40 | 180 | 163015 | 44.606 | ng | | 97 |
| 31) Naphthalene | 11.60 | 128 | 361936 | 48.447 | ng | | 99 |
| 32) Benzoic acid | 10.77 | 122 | 7611m | 9.229 | ng | | |
| 33) 4-Chloroaniline | 11.72 | 127 | 14055 | 4.741 | ng | # | 92 |
| 34) Hexachlorobutadiene | 11.86 | 225 | 129265 | 43.158 | ng | | 96 |
| 35) Caprolactam | 12.44 | 113 | 24655 | 33.305 | ng | # | 57 |
| 36) 4-Chloro-3-methylphenol | 12.79 | 107 | 117400 | 50.068 | ng | | 93 |
| 37) 2-Methylnaphthalene | 13.17 | 142 | 287725 | 47.481 | ng | | 93 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.52 | 216 | 234502 | 45.187 | ng | | 96 |
| 40) Hexachlorocyclopentadiene | 13.50 | 237 | 290319 | 88.399 | ng | | 92 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.75 | 196 | 130239 | 50.282 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 13.83 | 196 | 145147 | 44.966 | ng | # | 91 |
| 45) 1,1'-Biphenyl | 14.15 | 154 | 411999 | 45.571 | ng | | 95 |
| 46) 2-Chloronaphthalene | 14.20 | 162 | 327549 | 45.785 | ng | | 95 |
| 47) 2-Nitroaniline | 14.39 | 65 | 75697 | 48.643 | ng | | 89 |
| 48) Acenaphthylene | 15.04 | 152 | 474051 | 45.040 | ng | | 99 |
| 49) Dimethylphthalate | 14.74 | 163 | 423122 | 44.550 | ng | # | 98 |
| 50) 2,6-Dinitrotoluene | 14.87 | 165 | 93206 | 47.650 | ng | # | 76 |
| 51) Acenaphthene | 15.37 | 154 | 309291 | 43.029 | ng | | 99 |
| 52) 3-Nitroaniline | 15.21 | 138 | 22635 | 13.104 | ng | # | 79 |
| 53) 2,4-Dinitrophenol | 15.41 | 184 | 13035 | 22.044 | ng | # | 90 |
| 54) Dibenzofuran | 15.70 | 168 | 508275 | 47.528 | ng | | 98 |
| 55) 4-Nitrophenol | 15.50 | 139 | 96849 | 75.900 | ng | # | 77 |
| 56) 2,4-Dinitrotoluene | 15.65 | 165 | 132519 | 49.169 | ng | # | 75 |
| 57) Fluorene | 16.35 | 166 | 407068 | 46.286 | ng | | 95 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.92 | 232 | 145792 | 47.973 | ng | # | 83 |
| 59) Diethylphthalate | 16.09 | 149 | 414933 | 44.899 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 16.32 | 204 | 269175 | 46.356 | ng | | 94 |
| 61) 4-Nitroaniline | 16.37 | 138 | 65647 | 36.862 | ng | | 86 |
| 62) Azobenzene | 16.62 | 77 | 278824 | 46.960 | ng | | 86 |
| 64) 4,6-Dinitro-2-methylphenol | 16.41 | 198 | 22676 | 14.939 | ng | | 77 |
| 65) n-Nitrosodiphenylamine | 16.54 | 169 | 368507 | 44.636 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 17.22 | 248 | 188705 | 46.841 | ng | | 96 |
| 67) Hexachlorobenzene | 17.34 | 284 | 192439 | 44.475 | ng | | 93 |
| 68) Atrazine | 17.47 | 200 | 166975 | 47.155 | ng | | 93 |
| 69) Pentachlorophenol | 17.69 | 266 | 114851 | 43.357 | ng | | 98 |
| 70) Phenanthrene | 18.09 | 178 | 681808 | 45.089 | ng | | 99 |
| 71) Anthracene | 18.18 | 178 | 718353 | 46.429 | ng | | 98 |
| 72) Carbazole | 18.44 | 167 | 603565 | 45.753 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.95 | 149 | 676864 | 45.570 | ng | | 99 |
| 74) Fluoranthene | 20.05 | 202 | 920493 | 45.598 | ng | | 95 |
| 76) Benzidine | 20.22 | 184 | 63639 | 7.809 | ng | | 97 |
| 77) Pyrene | 20.41 | 202 | 929195 | 45.131 | ng | | 98 |
| 79) Butylbenzylphthalate | 21.27 | 149 | 309521 | 45.636 | ng | # | 77 |
| 80) Benzo(a)anthracene | 22.35 | 228 | 1003158 | 46.296 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 22.24 | 252 | 85111 | 10.518 | ng | # | 97 |
| 82) Chrysene | 22.42 | 228 | 940940 | 44.039 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 22.19 | 149 | 436296 | 44.608 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 23.54 | 149 | 762576 | 49.695 | ng | # | 90 |
| 85) Indeno(1,2,3-cd)pyrene | 30.24 | 276 | 1208889 | 47.762 | ng | # | 90 |
| 87) Benzo(b)fluoranthene | 24.85 | 252 | 1026439 | 46.977 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 24.92 | 252 | 1051162 | 46.485 | ng | # | 96 |
| 89) Benzo(a)pyrene | 25.85 | 252 | 1027166 | 48.255 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 30.31 | 278 | 1014810 | 47.888 | ng | # | 93 |
| 91) Benzo(g,h,i)perylene | 31.56 | 276 | 989029 | 48.280 | ng | # | 93 |

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

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