Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG120415\
Data File : BG019939.D
Acq On : 5 Dec 2015 13:09
Operator : UM/NP
Sample : PB86993BSD
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB86993BSD

Manual Integrations APPROVED
Mmdadoda
12/7/2015 6:29:49 PM

Quant Time: Dec 07 05:01:02 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 02 18:50:01 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.12 | 152 | 28182 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.94 | 136 | 124970 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 14.75 | 164 | 88984 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 17.49 | 188 | 228147 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 21.76 | 240 | 276231 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 25.04 | 264 | 258709 | 20.00 | ng | | -0.05 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.66 | 112 | 210611 | 135.07 | ng | | 0.00 |
| 7) Phenol-d6 | 7.26 | 99 | 310231 | 131.77 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 9.28 | 82 | 201795 | 82.41 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.23 | 330 | 160708 | 118.04 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 13.37 | 172 | 491251 | 75.38 | ng | | -0.02 |
| 78) Terphenyl-d14 | 20.09 | 244 | 885147 | 78.16 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 19151 | 31.53 | ng | # | 100 |
| 3) Pyridine | 3.93 | 79 | 63537 | 34.44 | ng | # | 89 |
| 4) n-Nitrosodimethylamine | 3.84 | 42 | 32885 | 33.89 | ng | | 81 |
| 6) Aniline | 7.43 | 93 | 78405 | 25.72 | ng | # | 81 |
| 8) 2-Chlorophenol | 7.67 | 128 | 77248 | 40.63 | ng | | 96 |
| 9) Benzaldehyde | 7.25 | 77 | 28716 | 18.29 | ng | | 92 |
| 10) Phenol | 7.29 | 94 | 107365 | 43.33 | ng | | 81 |
| 11) bis(2-Chloroethyl)ether | 7.53 | 93 | 70163 | 38.23 | ng | | 91 |
| 12) 1,3-Dichlorobenzene | 8.00 | 146 | 79072 | 36.69 | ng | # | 90 |
| 13) 1,4-Dichlorobenzene | 8.15 | 146 | 81118 | 36.44 | ng | # | 92 |
| 14) 1,2-Dichlorobenzene | 8.47 | 146 | 77691 | 36.59 | ng | | 92 |
| 15) Benzyl Alcohol | 8.35 | 79 | 82450 | 39.91 | ng | | 89 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.65 | 45 | 109581 | 36.61 | ng | | 94 |
| 17) 2-Methylphenol | 8.55 | 107 | 74180 | 42.41 | ng | # | 95 |
| 18) Hexachloroethane | 9.21 | 117 | 30047 | 36.05 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 8.92 | 70 | 67024 | 36.10 | ng | | 90 |
| 20) 3+4-Methylphenols | 8.88 | 107 | 101509 | 41.21 | ng | | 95 |
| 22) Acetophenone | 8.94 | 105 | 118398 | 34.56 | ng | # | 92 |
| 24) Nitrobenzene | 9.33 | 77 | 101331 | 38.15 | ng | | 90 |
| 25) Isophorone | 9.85 | 82 | 182568 | 34.78 | ng | # | 95 |
| 26) 2-Nitrophenol | 10.04 | 139 | 42969 | 41.89 | ng | # | 78 |
| 27) 2,4-Dimethylphenol | 10.09 | 122 | 85306 | 39.93 | ng | | 92 |
| 28) bis(2-Chloroethoxy)methane | 10.33 | 93 | 103461 | 40.33 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.57 | 162 | 90958 | 41.68 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.79 | 180 | 88618 | 35.93 | ng | | 97 |
| 31) Naphthalene | 10.98 | 128 | 249418 | 37.26 | ng | | 97 |
| 32) Benzoic acid | 10.21 | 122 | 62771 | 44.15 | ng | # | 80 |
| 33) 4-Chloroaniline | 11.08 | 127 | 51453 | 17.44 | ng | # | 92 |
| 34) Hexachlorobutadiene | 11.27 | 225 | 61069 | 33.57 | ng | | 99 |
| 35) Caprolactam | 11.86 | 113 | 32615m | 40.15 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.19 | 107 | 107168 | 39.43 | ng | | 95 |
| 37) 2-Methylnaphthalene | 12.58 | 142 | 191932 | 39.12 | ng | # | 96 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.94 | 216 | 118382 | 35.06 | ng | | 98 |
| 40) Hexachlorocyclopentadiene | 12.93 | 237 | 131471 | 68.28 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.18 | 196 | 83516 | 37.36 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 13.25 | 196 | 93685 | 39.65 | ng | | 95 |
| 45) 1,1'-Biphenyl | 13.59 | 154 | 255312 | 34.96 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.63 | 162 | 204690 | 36.36 | ng | | 95 |
| 47) 2-Nitroaniline | 13.82 | 65 | 75406 | 42.41 | ng | | 88 |
| 48) Acenaphthylene | 14.47 | 152 | 344079 | 35.89 | ng | | 100 |
| 49) Dimethylphthalate | 14.20 | 163 | 286400 | 35.78 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.31 | 165 | 63655 | 42.30 | ng | # | 78 |
| 51) Acenaphthene | 14.81 | 154 | 215433 | 37.03 | ng | | 99 |
| 52) 3-Nitroaniline | 14.64 | 138 | 47042 | 30.09 | ng | | 96 |
| 53) 2,4-Dinitrophenol | 14.84 | 184 | 65281 | 81.34 | ng | # | 83 |
| 54) Dibenzofuran | 15.14 | 168 | 350825 | 40.53 | ng | | 94 |
| 55) 4-Nitrophenol | 14.94 | 139 | 112146 | 82.36 | ng | # | 75 |
| 56) 2,4-Dinitrotoluene | 15.10 | 165 | 90720 | 43.21 | ng | # | 86 |
| 57) Fluorene | 15.79 | 166 | 282181 | 36.43 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.36 | 232 | 90662 | 41.46 | ng | | 99 |
| 59) Diethylphthalate | 15.55 | 149 | 304420 | 35.14 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 15.78 | 204 | 153087 | 34.42 | ng | | 96 |
| 61) 4-Nitroaniline | 15.81 | 138 | 68895 | 39.18 | ng | # | 77 |
| 62) Azobenzene | 16.08 | 77 | 292755 | 40.61 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 15.86 | 198 | 53197 | 42.33 | ng | | 94 |
| 65) n-Nitrosodiphenylamine | 15.99 | 169 | 260547 | 39.46 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 16.68 | 248 | 103021 | 36.34 | ng | | 93 |
| 67) Hexachlorobenzene | 16.79 | 284 | 111804 | 37.86 | ng | | 95 |
| 68) Atrazine | 16.93 | 200 | 111193 | 38.76 | ng | | 98 |
| 69) Pentachlorophenol | 17.13 | 266 | 144171 | 83.64 | ng | | 96 |
| 70) Phenanthrene | 17.53 | 178 | 496568 | 38.47 | ng | | 97 |
| 71) Anthracene | 17.62 | 178 | 502628 | 38.23 | ng | | 96 |
| 72) Carbazole | 17.89 | 167 | 447739 | 38.66 | ng | | 97 |
| 73) Di-n-butylphthalate | 18.44 | 149 | 539775 | 38.02 | ng | | 98 |
| 74) Fluoranthene | 19.53 | 202 | 621202 | 37.62 | ng | | 95 |
| 76) Benzidine | 19.71 | 184 | 183155 | 20.19 | ng | | 97 |
| 77) Pyrene | 19.89 | 202 | 641422 | 39.47 | ng | | 97 |
| 79) Butylbenzylphthalate | 20.77 | 149 | 250162 | 39.27 | ng | | 99 |
| 80) Benzo(a)anthracene | 21.74 | 228 | 647883 | 38.32 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.65 | 252 | 146063 | 22.68 | ng | | 98 |
| 82) Chrysene | 21.81 | 228 | 592294 | 36.89 | ng | | 96 |
| 83) Bis(2-ethylhexyl)phthalate | 21.65 | 149 | 363703 | 38.91 | ng | | 97 |
| 84) Di-n-octyl phthalate | 22.89 | 149 | 621609 | 40.90 | ng | # | 94 |
| 85) Indeno(1,2,3-cd)pyrene | 28.80 | 276 | 725658 | 41.03 | ng | # | 100 |
| 87) Benzo(b)fluoranthene | 24.00 | 252 | 626194 | 38.19 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 24.07 | 252 | 619878 | 38.17 | ng | # | 95 |
| 89) Benzo(a)pyrene | 24.88 | 252 | 602943 | 38.73 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 28.87 | 278 | 594626 | 38.66 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 29.97 | 276 | 583016 | 38.61 | ng | # | 93 |

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

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