Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021418\
Data File : BG032700.D
Acq On : 15 Feb 2018 4:38
Operator : SJ/JU
Sample : J1530-41MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
WC-01MS

Manual Integrations APPROVED
Sohil
2/15/2018 11:07:59 AM

Quant Time: Feb 15 06:38:03 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 | 8.66 | 152 | 28110 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 11.53 | 136 | 112433 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 15.30 | 164 | 95282 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 18.03 | 188 | 240317 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 22.36 | 240 | 307500 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 25.99 | 264 | 362549 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.10 | 112 | 159797 | 114.06 | ng | | -0.01 |
| 7) Phenol-d6 | 7.78 | 99 | 178816 | 93.34 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 9.85 | 82 | 166937 | 94.36 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.78 | 330 | 236712 | 161.34 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 13.93 | 172 | 610385 | 80.11 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.58 | 244 | 1358818 | 100.72 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.77 | 88 | 14539 | 24.807 | ng | # | 76 |
| 3) Pyridine | 4.23 | 79 | 28090 | 18.685 | ng | # | 80 |
| 4) n-Nitrosodimethylamine | 4.13 | 42 | 25091 | 35.520 | ng | # | 75 |
| 6) Aniline | 7.96 | 93 | 24272 | 10.720 | ng | | 93 |
| 8) 2-Chlorophenol | 8.21 | 128 | 76958 | 47.768 | ng | # | 80 |
| 9) Benzaldehyde | 7.76 | 77 | 8962 | 7.916 | ng | | 94 |
| 10) Phenol | 7.81 | 94 | 67765 | 36.370 | ng | | 87 |
| 11) bis(2-Chloroethyl)ether | 8.05 | 93 | 54297 | 36.350 | ng | # | 78 |
| 12) 1,3-Dichlorobenzene | 8.54 | 146 | 91980 | 40.480 | ng | | 94 |
| 13) 1,4-Dichlorobenzene | 8.69 | 146 | 84617 | 37.693 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 9.03 | 146 | 76326 | 33.710 | ng | | 96 |
| 15) Benzyl Alcohol | 8.90 | 79 | 67320 | 46.882 | ng | | 92 |
| 16) 2,2'-oxybis(1-Chloropropan | 9.18 | 45 | 47528 | 29.564 | ng | | 71 |
| 17) 2-Methylphenol | 9.10 | 107 | 52571 | 39.840 | ng | # | 90 |
| 18) Hexachloroethane | 9.77 | 117 | 34239 | 41.771 | ng | # | 80 |
| 19) n-Nitroso-di-n-propylamine | 9.47 | 70 | 49104 | 38.126 | ng | # | 91 |
| 20) 3+4-Methylphenols | 9.44 | 107 | 78105 | 39.163 | ng | | 93 |
| 22) Acetophenone | 9.50 | 105 | 111031 | 46.433 | ng | # | 93 |
| 24) Nitrobenzene | 9.90 | 77 | 81628 | 44.069 | ng | | 90 |
| 25) Isophorone | 10.42 | 82 | 118764 | 35.212 | ng | # | 80 |
| 26) 2-Nitrophenol | 10.62 | 139 | 48429m | 48.885 | ng | | |
| 27) 2,4-Dimethylphenol | 10.67 | 122 | 79500 | 61.081 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 10.90 | 93 | 89237 | 51.755 | ng | # | 97 |
| 29) 2,4-Dichlorophenol | 11.17 | 162 | 105164 | 55.205 | ng | | 90 |
| 30) 1,2,4-Trichlorobenzene | 11.39 | 180 | 122037 | 45.695 | ng | | 98 |
| 31) Naphthalene | 11.58 | 128 | 341977 | 62.640 | ng | | 99 |
| 32) Benzoic acid | 10.80 | 122 | 30066 | 30.578 | ng | # | 81 |
| 33) 4-Chloroaniline | 11.69 | 127 | 23177 | 10.699 | ng | # | 87 |
| 34) Hexachlorobutadiene | 11.86 | 225 | 95837 | 43.786 | ng | | 96 |
| 35) Caprolactam | 12.45 | 113 | 20851 | 38.544 | ng | # | 45 |
| 36) 4-Chloro-3-methylphenol | 12.77 | 107 | 95899 | 55.966 | ng | | 87 |
| 37) 2-Methylnaphthalene | 13.16 | 142 | 237054 | 53.532 | ng | | 93 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.51 | 216 | 183044 | 40.674 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 13.49 | 237 | 226544 | 79.547 | ng | | 93 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.74 | 196 | 107510 | 47.864 | ng | | 97 |
| 43) 2,4,5-Trichlorophenol | 13.82 | 196 | 120295 | 42.976 | ng | # | 88 |
| 45) 1,1'-Biphenyl | 14.14 | 154 | 314953 | 40.173 | ng | | 94 |
| 46) 2-Chloronaphthalene | 14.19 | 162 | 255424 | 41.172 | ng | | 98 |
| 47) 2-Nitroaniline | 14.38 | 65 | 66480 | 49.264 | ng | # | 82 |
| 48) Acenaphthylene | 15.02 | 152 | 415834 | 45.560 | ng | | 99 |
| 49) Dimethylphthalate | 14.73 | 163 | 379660 | 46.097 | ng | # | 98 |
| 50) 2,6-Dinitrotoluene | 14.86 | 165 | 88043 | 51.905 | ng | # | 78 |
| 51) Acenaphthene | 15.36 | 154 | 318434 | 51.087 | ng | | 98 |
| 52) 3-Nitroaniline | 15.20 | 138 | 26359 | 17.597 | ng | # | 83 |
| 53) 2,4-Dinitrophenol | 15.39 | 184 | 70825 | 77.770 | ng | # | 63 |
| 54) Dibenzofuran | 15.69 | 168 | 471336 | 50.825 | ng | | 96 |
| 55) 4-Nitrophenol | 15.49 | 139 | 92291 | 82.864 | ng | # | 79 |
| 56) 2,4-Dinitrotoluene | 15.64 | 165 | 130060 | 55.649 | ng | # | 71 |
| 57) Fluorene | 16.33 | 166 | 363586 | 47.674 | ng | | 100 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.91 | 232 | 139844 | 53.064 | ng | # | 86 |
| 59) Diethylphthalate | 16.08 | 149 | 386056 | 48.173 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 16.31 | 204 | 235560 | 46.781 | ng | | 97 |
| 61) 4-Nitroaniline | 16.35 | 138 | 59328 | 38.417 | ng | # | 75 |
| 62) Azobenzene | 16.61 | 77 | 240807 | 46.770 | ng | | 84 |
| 64) 4,6-Dinitro-2-methylphenol | 16.40 | 198 | 65693 | 38.672 | ng | | 74 |
| 65) n-Nitrosodiphenylamine | 16.53 | 169 | 342159 | 48.547 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 17.20 | 248 | 163875 | 47.648 | ng | | 98 |
| 67) Hexachlorobenzene | 17.33 | 284 | 169626 | 45.920 | ng | # | 91 |
| 68) Atrazine | 17.46 | 200 | 153391 | 50.741 | ng | | 93 |
| 69) Pentachlorophenol | 17.67 | 266 | 221471 | 97.934 | ng | | 99 |
| 70) Phenanthrene | 18.07 | 178 | 625708 | 48.469 | ng | | 99 |
| 71) Anthracene | 18.17 | 178 | 658425 | 49.847 | ng | | 99 |
| 72) Carbazole | 18.43 | 167 | 570562 | 50.662 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.94 | 149 | 585997 | 46.212 | ng | | 99 |
| 74) Fluoranthene | 20.04 | 202 | 869568 | 50.456 | ng | | 95 |
| 76) Benzidine | 20.21 | 184 | 88585 | 12.234 | ng | | 98 |
| 77) Pyrene | 20.40 | 202 | 863948 | 47.226 | ng | | 98 |
| 79) Butylbenzylphthalate | 21.26 | 149 | 310695 | 51.556 | ng | # | 78 |
| 80) Benzo(a)anthracene | 22.33 | 228 | 931739 | 48.394 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 22.23 | 252 | 176009 | 24.479 | ng | # | 97 |
| 82) Chrysene | 22.41 | 228 | 893911 | 47.087 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 22.18 | 149 | 373641 | 42.995 | ng | # | 99 |
| 84) Di-n-octyl phthalate | 23.53 | 149 | 663732 | 48.680 | ng | # | 89 |
| 85) Indeno(1,2,3-cd)pyrene | 30.20 | 276 | 1277050 | 56.785 | ng | # | 84 |
| 87) Benzo(b)fluoranthene | 24.83 | 252 | 933699 | 43.215 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 24.91 | 252 | 986788 | 44.130 | ng | # | 96 |
| 89) Benzo(a)pyrene | 25.82 | 252 | 1075099 | 51.077 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 30.28 | 278 | 1073260 | 51.217 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 31.53 | 276 | 1057903 | 52.225 | ng | # | 92 |

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

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