Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042418\
Data File : BG033969.D
Acq On : 25 Apr 2018 1:46
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Sohil
4/25/2018 5:08:56 PM

Quant Time: Apr 25 12:24:03 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 19 13:56:22 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.83 | 152 | 80078 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.61 | 136 | 339796 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 14.46 | 164 | 213273 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 17.21 | 188 | 526268 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 21.47 | 240 | 577100 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 24.52 | 264 | 620022 | 20.00 | ng | | -0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.44 | 112 | 382516 | 76.26 | ng | | 0.00 |
| 7) Phenol-d6 | 7.00 | 99 | 509611 | 69.66 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.98 | 82 | 478162 | 80.08 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.95 | 330 | 218719 | 87.90 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 13.08 | 172 | 1135044 | 78.18 | ng | | -0.02 |
| 78) Terphenyl-d14 | 19.85 | 244 | 1853719 | 72.16 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.43 | 88 | 76246 | 35.975 | ng | | 90 |
| 3) Pyridine | 3.81 | 79 | 226116 | 36.873 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.72 | 42 | 97869 | 35.032 | ng | # | 92 |
| 6) Aniline | 7.16 | 93 | 334165 | 34.171 | ng | | 98 |
| 8) 2-Chlorophenol | 7.39 | 128 | 199540 | 35.504 | ng | | 95 |
| 9) Benzaldehyde | 6.98 | 77 | 130666 | 31.944 | ng | | 96 |
| 10) Phenol | 7.02 | 94 | 257532 | 34.363 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.26 | 93 | 203595 | 35.519 | ng | | 90 |
| 12) 1,3-Dichlorobenzene | 7.72 | 146 | 245404 | 37.931 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.86 | 146 | 246874 | 37.674 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.18 | 146 | 234033 | 36.726 | ng | | 92 |
| 15) Benzyl Alcohol | 8.06 | 79 | 206109 | 32.309 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.36 | 45 | 340129 | 30.424 | ng | | 95 |
| 17) 2-Methylphenol | 8.26 | 107 | 185900 | 33.473 | ng | | 97 |
| 18) Hexachloroethane | 8.90 | 117 | 88211 | 36.839 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.63 | 70 | 180712 | 28.979 | ng | # | 97 |
| 20) 3+4-Methylphenols | 8.59 | 107 | 258895m | 32.082 | ng | | |
| 22) Acetophenone | 8.65 | 105 | 343016 | 37.090 | ng | | 96 |
| 24) Nitrobenzene | 9.02 | 77 | 252075 | 38.743 | ng | | 96 |
| 25) Isophorone | 9.55 | 82 | 448760 | 33.430 | ng | | 96 |
| 26) 2-Nitrophenol | 9.73 | 139 | 118430 | 46.067 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 9.79 | 122 | 177947 | 37.006 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 10.03 | 93 | 252304 | 35.563 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 10.26 | 162 | 208422 | 38.881 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 10.47 | 180 | 247925 | 41.294 | ng | | 97 |
| 31) Naphthalene | 10.66 | 128 | 655178 | 37.495 | ng | | 98 |
| 32) Benzoic acid | 9.93 | 122 | 195804 | 41.612 | ng | # | 87 |
| 33) 4-Chloroaniline | 10.77 | 127 | 294257 | 35.827 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.95 | 225 | 153637 | 42.776 | ng | | 94 |
| 35) Caprolactam | 11.55 | 113 | 79632 | 34.941 | ng | # | 86 |
| 36) 4-Chloro-3-methylphenol | 11.90 | 107 | 226035 | 34.549 | ng | # | 89 |
| 37) 2-Methylnaphthalene | 12.27 | 142 | 483625 | 36.150 | ng | | 93 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.64 | 216 | 297150 | 41.959 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 12.62 | 237 | 169143 | 43.437 | ng | | 93 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 12.88 | 196 | 180930 | 41.902 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 12.95 | 196 | 214043 | 43.119 | ng | | 95 |
| 45) 1,1'-Biphenyl | 13.29 | 154 | 676846 | 39.205 | ng | | 97 |
| 46) 2-Chloronaphthalene | 13.33 | 162 | 506124 | 38.663 | ng | | 98 |
| 47) 2-Nitroaniline | 13.53 | 65 | 162383 | 39.729 | ng | # | 86 |
| 48) Acenaphthylene | 14.18 | 152 | 818254 | 37.604 | ng | | 99 |
| 49) Dimethylphthalate | 13.92 | 163 | 682070 | 36.357 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.04 | 165 | 151680 | 42.663 | ng | # | 79 |
| 51) Acenaphthene | 14.53 | 154 | 509773 | 37.293 | ng | | 99 |
| 52) 3-Nitroaniline | 14.36 | 138 | 162920 | 42.201 | ng | # | 85 |
| 53) 2,4-Dinitrophenol | 14.57 | 184 | 57103 | 44.911 | ng | # | 51 |
| 54) Dibenzofuran | 14.86 | 168 | 760468 | 37.525 | ng | | 96 |
| 55) 4-Nitrophenol | 14.67 | 139 | 128979 | 42.599 | ng | # | 83 |
| 56) 2,4-Dinitrotoluene | 14.82 | 165 | 211401 | 44.715 | ng | # | 82 |
| 57) Fluorene | 15.51 | 166 | 647333 | 36.913 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.09 | 232 | 192113 | 42.268 | ng | | 97 |
| 59) Diethylphthalate | 15.30 | 149 | 703040 | 35.453 | ng | | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.51 | 204 | 350344 | 38.195 | ng | | 96 |
| 61) 4-Nitroaniline | 15.53 | 138 | 176737 | 43.118 | ng | | 90 |
| 62) Azobenzene | 15.80 | 77 | 593200 | 33.558 | ng | | 98 |
| 64) 4,6-Dinitro-2-methylphenol | 15.59 | 198 | 118063 | 46.780 | ng | | 87 |
| 65) n-Nitrosodiphenylamine | 15.73 | 169 | 576312 | 37.667 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 16.41 | 248 | 227000 | 39.277 | ng | | 100 |
| 67) Hexachlorobenzene | 16.51 | 284 | 246649 | 40.017 | ng | # | 73 |
| 68) Atrazine | 16.68 | 200 | 231397 | 38.605 | ng | | 97 |
| 69) Pentachlorophenol | 16.86 | 266 | 177857 | 42.009 | ng | # | 57 |
| 70) Phenanthrene | 17.25 | 178 | 1047476 | 37.102 | ng | | 97 |
| 71) Anthracene | 17.34 | 178 | 1066970 | 37.791 | ng | | 99 |
| 72) Carbazole | 17.61 | 167 | 1028090 | 37.745 | ng | | 97 |
| 73) Di-n-butylphthalate | 18.19 | 149 | 1245449 | 36.755 | ng | | 98 |
| 74) Fluoranthene | 19.27 | 202 | 1319032 | 38.623 | ng | | 96 |
| 76) Benzidine | 19.46 | 184 | 580546 | 37.253 | ng | | 98 |
| 77) Pyrene | 19.63 | 202 | 1348031 | 35.613 | ng | | 95 |
| 79) Butylbenzylphthalate | 20.55 | 149 | 601857 | 36.207 | ng | | 90 |
| 80) Benzo(a)anthracene | 21.45 | 228 | 1361990 | 37.427 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.38 | 252 | 537665 | 39.625 | ng | | 98 |
| 82) Chrysene | 21.51 | 228 | 1299286 | 37.389 | ng | | 95 |
| 83) Bis(2-ethylhexyl)phthalate | 21.39 | 149 | 853324 | 36.349 | ng | | 99 |
| 84) Di-n-octyl phthalate | 22.56 | 149 | 1373563 | 36.863 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 27.98 | 276 | 1607496 | 40.638 | ng | # | 94 |
| 87) Benzo(b)fluoranthene | 23.56 | 252 | 1411990 | 37.330 | ng | | 99 |
| 88) Benzo(k)fluoranthene | 23.63 | 252 | 1363883 | 36.300 | ng | | 98 |
| 89) Benzo(a)pyrene | 24.39 | 252 | 1345245 | 37.136 | ng | | 100 |
| 90) Dibenzo(a,h)anthracene | 28.06 | 278 | 1317747 | 37.594 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 29.07 | 276 | 1315415 | 38.138 | ng | | 98 |

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

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