Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\
Data File : BF102893.D
Acq On : 9 Feb 2018 17:16
Operator : SJ/JU
Sample : PB106115BSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB106115BSD

Manual Integrations APPROVED
Sohil
2/13/2018 4:36:49 AM

Quant Time: Feb 09 22:21:29 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 12:44:16 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.89 | 152 | 162584 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.17 | 136 | 668410 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.93 | 164 | 280868 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.42 | 188 | 405544 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.06 | 240 | 320969 | 20.00 | ng | | 0.01 |
| 86) Perylene-d12 | 15.54 | 264 | 311962 | 20.00 | ng | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.51 | 112 | 1214390 | 113.43 | ng | | 0.02 |
| 7) Phenol-d6 | 6.52 | 99 | 1453912 | 112.79 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.45 | 82 | 960685 | 99.70 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.72 | 330 | 243787 | 107.84 | ng | | 0.01 |
| 44) 2-Fluorobiphenyl | 9.25 | 172 | 1441994 | 85.19 | ng | | 0.00 |
| 78) Terphenyl-d14 | 13.00 | 244 | 1095317 | 80.80 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.72 | 88 | 197619 | 37.373 | ng | | 87 |
| 3) Pyridine | 3.50 | 79 | 590206 | 40.399 | ng | | 90 |
| 4) n-Nitrosodimethylamine | 3.45 | 42 | 300403 | 48.059 | ng | | 92 |
| 6) Aniline | 6.55 | 93 | 342289 | 17.981 | ng | | 95 |
| 8) 2-Chlorophenol | 6.67 | 128 | 449767 | 40.808 | ng | | 96 |
| 9) Benzaldehyde | 6.44 | 77 | 231052 | 24.136 | ng | | 98 |
| 10) Phenol | 6.53 | 94 | 580132 | 41.995 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.62 | 93 | 468407 | 40.748 | ng | | 92 |
| 12) 1,3-Dichlorobenzene | 6.83 | 146 | 478206 | 37.467 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 6.90 | 146 | 482808 | 37.975 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.06 | 146 | 447985 | 37.830 | ng | | 100 |
| 15) Benzyl Alcohol | 7.03 | 79 | 418628 | 42.241 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.16 | 45 | 820881 | 37.592 | ng | | 99 |
| 17) 2-Methylphenol | 7.14 | 107 | 388413 | 38.205 | ng | | 97 |
| 18) Hexachloroethane | 7.40 | 117 | 168576 | 38.666 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70 | 322016 | 37.889 | ng | | 93 |
| 20) 3+4-Methylphenols | 7.29 | 107 | 456294 | 36.396 | ng | # | 83 |
| 22) Acetophenone | 7.30 | 105 | 618206 | 37.795 | ng | # | 93 |
| 24) Nitrobenzene | 7.47 | 77 | 513498 | 45.307 | ng | | 95 |
| 25) Isophorone | 7.70 | 82 | 957334 | 43.149 | ng | | 95 |
| 26) 2-Nitrophenol | 7.79 | 139 | 234231 | 49.888 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 7.82 | 122 | 426619 | 45.513 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.92 | 93 | 579732 | 44.109 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.03 | 162 | 360675 | 42.327 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 8.11 | 180 | 362887 | 37.645 | ng | | 100 |
| 31) Naphthalene | 8.19 | 128 | 1246619 | 38.173 | ng | | 100 |
| 32) Benzoic acid | 7.93 | 122 | 247433 | 40.212 | ng | | 94 |
| 33) 4-Chloroaniline | 8.23 | 127 | 137201 | 9.752 | ng | | 95 |
| 34) Hexachlorobutadiene | 8.30 | 225 | 185165 | 37.485 | ng | | 98 |
| 35) Caprolactam | 8.61 | 113 | 125579m | 42.436 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.72 | 107 | 402358 | 42.025 | ng | | 99 |
| 37) 2-Methylnaphthalene | 8.89 | 142 | 813750 | 38.059 | ng | | 99 |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.05 | 216 | 304118 | 39.767 | ng | | 97 |
| 40) Hexachlorocyclopentadiene | 9.03 | 237 | 88182 | 24.256 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 9.16 | 196 | 218384 | 43.476 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 9.20 | 196 | 230272 | 40.673 | ng | | 98 |
| 45) 1,1'-Biphenyl | 9.35 | 154 | 920869 | 38.926 | ng | | 99 |
| 46) 2-Chloronaphthalene | 9.37 | 162 | 719837 | 38.651 | ng | | 99 |
| 47) 2-Nitroaniline | 9.47 | 65 | 287599 | 49.895 | ng | | 86 |
| 48) Acenaphthylene | 9.79 | 152 | 1075366 | 37.176 | ng | | 99 |
| 49) Dimethylphthalate | 9.65 | 163 | 885495 | 40.434 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.71 | 165 | 182767 | 43.866 | ng | | 90 |
| 51) Acenaphthene | 9.96 | 154 | 641866 | 37.104 | ng | | 99 |
| 52) 3-Nitroaniline | 9.87 | 138 | 114211 | 22.278 | ng | | 92 |
| 53) 2,4-Dinitrophenol | 9.99 | 184 | 34409 | 39.692 | ng | # | 18 |
| 54) Dibenzofuran | 10.13 | 168 | 929222 | 38.116 | ng | | 96 |
| 55) 4-Nitrophenol | 10.04 | 139 | 288219 | 68.995 | ng | | 91 |
| 56) 2,4-Dinitrotoluene | 10.12 | 165 | 229771 | 41.560 | ng | | 97 |
| 57) Fluorene | 10.47 | 166 | 678949 | 38.278 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.25 | 232 | 155860 | 39.720 | ng | | 95 |
| 59) Diethylphthalate | 10.35 | 149 | 853849 | 39.486 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.46 | 204 | 313807 | 39.993 | ng | | 95 |
| 61) 4-Nitroaniline | 10.49 | 138 | 169763 | 34.789 | ng | | 99 |
| 62) Azobenzene | 10.63 | 77 | 870156 | 40.280 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 10.52 | 198 | 30057 | 24.459 | ng | | 91 |
| 65) n-Nitrosodiphenylamine | 10.59 | 169 | 621294 | 43.433 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.96 | 248 | 184917 | 43.105 | ng | | 94 |
| 67) Hexachlorobenzene | 11.03 | 284 | 180298 | 38.097 | ng | | 93 |
| 68) Atrazine | 11.11 | 200 | 181936 | 43.112 | ng | | 95 |
| 69) Pentachlorophenol | 11.22 | 266 | 175093 | 63.026 | ng | | 100 |
| 70) Phenanthrene | 11.44 | 178 | 866239 | 38.353 | ng | | 99 |
| 71) Anthracene | 11.49 | 178 | 898422 | 39.109 | ng | | 99 |
| 72) Carbazole | 11.65 | 167 | 843639 | 37.486 | ng | | 99 |
| 73) Di-n-butylphthalate | 11.97 | 149 | 1191487 | 43.583 | ng | | 100 |
| 74) Fluoranthene | 12.63 | 202 | 870844 | 38.322 | ng | | 99 |
| 76) Benzidine | 12.75 | 184 | 513848 | 34.833 | ng | | 98 |
| 77) Pyrene | 12.86 | 202 | 900481 | 35.777 | ng | | 99 |
| 79) Butylbenzylphthalate | 13.47 | 149 | 504790 | 42.058 | ng | | 94 |
| 80) Benzo(a)anthracene | 14.05 | 228 | 825896 | 40.914 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 14.01 | 252 | 297515 | 39.751 | ng | | 96 |
| 82) Chrysene | 14.09 | 228 | 776490 | 38.160 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 14.03 | 149 | 727062 | 47.156 | ng | | 100 |
| 84) Di-n-octyl phthalate | 14.64 | 149 | 1265256 | 54.653 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 17.06 | 276 | 653410 | 38.717 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 15.11 | 252 | 808570 | 39.977 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.14 | 252 | 772822 | 39.990 | ng | | 100 |
| 89) Benzo(a)pyrene | 15.49 | 252 | 744601 | 40.900 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 17.07 | 278 | 552628 | 37.398 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.51 | 276 | 513570 | 35.508 | ng | | 97 |

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

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