Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM021318\
Data File : BM014228.D
Acq On : 13 Feb 2018 19:20
Operator : SJ/JU
Sample : PB106453BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB106453BS

Manual Integrations APPROVED
Sohil
2/14/2018 11:10:43 AM

Quant Time: Feb 14 10:40:50 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM020718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 07 17:16:49 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.54 | 152 | 95684 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.31 | 136 | 444217 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.20 | 164 | 295598 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 16.95 | 188 | 656530 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.16 | 240 | 519933 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 23.33 | 264 | 414583 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.16 | 112 | 830395 | 151.26 | ng | | 0.00 |
| 7) Phenol-d6 | 6.74 | 99 | 1116116 | 143.55 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.70 | 82 | 833850 | 83.85 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.70 | 330 | 494007 | 117.78 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 12.80 | 172 | 2048759 | 86.52 | ng | | 0.00 |
| 78) Terphenyl-d14 | 19.60 | 244 | 2691265 | 101.14 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.14 | 88 | 81792 | 36.257 | ng | # | 100 |
| 3) Pyridine | 3.52 | 79 | 228985 | 36.656 | ng | # | 90 |
| 4) n-Nitrosodimethylamine | 3.45 | 42 | 180507 | 45.361 | ng | # | 50 |
| 6) Aniline | 6.89 | 93 | 229251 | 23.129 | ng | | 91 |
| 8) 2-Chlorophenol | 7.11 | 128 | 285104 | 45.693 | ng | | 92 |
| 9) Benzaldehyde | 6.70 | 77 | 71826 | 12.837 | ng | | 91 |
| 10) Phenol | 6.76 | 94 | 377545 | 49.188 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 6.99 | 93 | 240782 | 39.685 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.43 | 146 | 293403 | 37.621 | ng | # | 85 |
| 13) 1,4-Dichlorobenzene | 7.57 | 146 | 303428 | 38.727 | ng | # | 94 |
| 14) 1,2-Dichlorobenzene | 7.88 | 146 | 296911 | 37.657 | ng | # | 92 |
| 15) Benzyl Alcohol | 7.79 | 79 | 308941 | 42.884 | ng | # | 86 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.07 | 45 | 243680 | 39.486 | ng | | 81 |
| 17) 2-Methylphenol | 7.99 | 107 | 253411 | 43.138 | ng | # | 83 |
| 18) Hexachloroethane | 8.59 | 117 | 132401 | 39.095 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 8.35 | 70 | 264253 | 39.454 | ng | | 94 |
| 20) 3+4-Methylphenols | 8.33 | 107 | 344298 | 40.469 | ng | | 88 |
| 22) Acetophenone | 8.36 | 105 | 500796 | 39.208 | ng | # | 90 |
| 24) Nitrobenzene | 8.74 | 77 | 404860 | 39.539 | ng | | 94 |
| 25) Isophorone | 9.26 | 82 | 680788 | 41.322 | ng | # | 92 |
| 26) 2-Nitrophenol | 9.45 | 139 | 164057 | 42.473 | ng | # | 61 |
| 27) 2,4-Dimethylphenol | 9.51 | 122 | 296734 | 50.402 | ng | # | 84 |
| 28) bis(2-Chloroethoxy)methane | 9.75 | 93 | 384856 | 45.550 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 9.97 | 162 | 302405 | 45.970 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.17 | 180 | 336908 | 38.849 | ng | | 99 |
| 31) Naphthalene | 10.36 | 128 | 998321 | 41.044 | ng | | 99 |
| 32) Benzoic acid | 9.70 | 122 | 166482 | 34.809 | ng | # | 85 |
| 33) 4-Chloroaniline | 10.50 | 127 | 80789 | 7.991 | ng | # | 83 |
| 34) Hexachlorobutadiene | 10.63 | 225 | 221324 | 37.205 | ng | | 96 |
| 35) Caprolactam | 11.30 | 113 | 88363m | 37.561 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.63 | 107 | 351692 | 43.151 | ng | | 88 |
| 37) 2-Methylnaphthalene | 11.98 | 142 | 762191 | 41.609 | ng | # | 90 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.36 | 216 | 428335 | 41.355 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 12.33 | 237 | 521610 | 85.476 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 12.62 | 196 | 271414 | 44.606 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 12.70 | 196 | 281682 | 41.930 | ng | # | 85 |
| 45) 1,1'-Biphenyl | 13.02 | 154 | 1055491 | 41.221 | ng | | 97 |
| 46) 2-Chloronaphthalene | 13.06 | 162 | 811663 | 41.758 | ng | # | 91 |
| 47) 2-Nitroaniline | 13.29 | 65 | 263655 | 36.861 | ng | # | 79 |
| 48) Acenaphthylene | 13.92 | 152 | 1267697 | 39.774 | ng | | 100 |
| 49) Dimethylphthalate | 13.67 | 163 | 1016693 | 38.420 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 13.80 | 165 | 212846 | 39.198 | ng | # | 70 |
| 51) Acenaphthene | 14.26 | 154 | 770014 | 39.194 | ng | | 100 |
| 52) 3-Nitroaniline | 14.13 | 138 | 80930 | 14.408 | ng | # | 70 |
| 53) 2,4-Dinitrophenol | 14.35 | 184 | 207519 | 68.369 | ng | # | 82 |
| 54) Dibenzofuran | 14.60 | 168 | 1295542 | 42.202 | ng | # | 90 |
| 55) 4-Nitrophenol | 14.46 | 139 | 293281 | 66.918 | ng | # | 85 |
| 56) 2,4-Dinitrotoluene | 14.60 | 165 | 319545 | 38.132 | ng | # | 80 |
| 57) Fluorene | 15.25 | 166 | 1083114 | 40.104 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.84 | 232 | 265509 | 40.117 | ng | # | 100 |
| 59) Diethylphthalate | 15.04 | 149 | 1098775 | 37.406 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 15.25 | 204 | 564069 | 40.179 | ng | | 92 |
| 61) 4-Nitroaniline | 15.30 | 138 | 185965 | 33.088 | ng | # | 22 |
| 62) Azobenzene | 15.54 | 77 | 1217883 | 39.922 | ng | | 83 |
| 64) 4,6-Dinitro-2-methylphenol | 15.37 | 198 | 143774 | 33.832 | ng | | 93 |
| 65) n-Nitrosodiphenylamine | 15.47 | 169 | 916145 | 44.202 | ng | | 100 |
| 66) 4-Bromophenyl-phenylether | 16.14 | 248 | 328551 | 42.697 | ng | # | 78 |
| 67) Hexachlorobenzene | 16.26 | 284 | 338985 | 40.125 | ng | # | 76 |
| 68) Atrazine | 16.44 | 200 | 319724 | 41.128 | ng | | 99 |
| 69) Pentachlorophenol | 16.61 | 266 | 374239 | 65.816 | ng | | 98 |
| 70) Phenanthrene | 17.00 | 178 | 1628290 | 41.114 | ng | | 98 |
| 71) Anthracene | 17.09 | 178 | 1640898 | 42.521 | ng | | 99 |
| 72) Carbazole | 17.37 | 167 | 1350466 | 37.230 | ng | | 99 |
| 73) Di-n-butylphthalate | 17.93 | 149 | 1742311 | 37.532 | ng | # | 97 |
| 74) Fluoranthene | 19.02 | 202 | 1698190 | 36.422 | ng | | 99 |
| 76) Benzidine | 19.23 | 184 | 553681 | 35.758 | ng | | 98 |
| 77) Pyrene | 19.39 | 202 | 1712864 | 47.420 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.30 | 149 | 668303 | 41.084 | ng | # | 82 |
| 80) Benzo(a)anthracene | 21.14 | 228 | 1379112 | 40.821 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.09 | 252 | 267892 | 21.216 | ng | | 99 |
| 82) Chrysene | 21.20 | 228 | 1300149 | 39.672 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.08 | 149 | 885730 | 37.329 | ng | | 95 |
| 84) Di-n-octyl phthalate | 21.94 | 149 | 1321319 | 40.225 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 25.50 | 276 | 1182218 | 45.883 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 22.69 | 252 | 1181608 | 41.075 | ng | # | 93 |
| 88) Benzo(k)fluoranthene | 22.73 | 252 | 1114180 | 40.742 | ng | # | 96 |
| 89) Benzo(a)pyrene | 23.24 | 252 | 1069594 | 42.191 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 25.50 | 278 | 992275 | 47.896 | ng | # | 94 |
| 91) Benzo(g,h,i)perylene | 26.15 | 276 | 991988 | 51.214 | ng | # | 89 |

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

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