Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121019\
Data File : BP001298.D
Acq On : 10 Dec 2019 16:46
Operator : JU
Sample : PB125370BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
PB125370BS

Manual Integrations APPROVED
mohammad
12/11/2019 12:31:01 PM

Quant Time: Dec 11 04:30:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 05 12:34:47 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.30 | 152 | 71525 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.34 | 136 | 261833 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 13.21 | 164 | 152338 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 15.61 | 188 | 335054 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 19.26 | 240 | 320315 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 21.02 | 264 | 284076 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 6.21 | 112 | 495780 | 115.00 | ng | | 0.00 |
| 7) Phenol-d6 | 7.76 | 99 | 666971 | 116.13 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.19 | 82 | 465419 | 77.12 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 14.50 | 330 | 304780 | 208.73 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.12 | 172 | 942158 | 90.52 | ng | | -0.01 |
| 79) Terphenyl-d14 | 17.89 | 244 | 1291379 | 74.59 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.56 | 88 | 55506 | 27.564 | ng | | 98 |
| 3) Pyridine | 3.41 | 79 | 151799 | 27.166 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 3.31 | 42 | 97137 | 40.173 | ng | | 84 |
| 6) Aniline | 7.78 | 93 | 193423 | 25.400 | ng | # | 1 |
| 8) 2-Chlorophenol | 7.96 | 128 | 173242 | 38.840 | ng | | 98 |
| 9) Benzaldehyde | 7.59 | 77 | 63070 | 14.425 | ng | | 99 |
| 10) Phenol | 7.78 | 94 | 236213 | 36.157 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.91 | 93 | 167213 | 32.869 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 8.21 | 146 | 192605 | 36.431 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 8.33 | 146 | 195895 | 36.783 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 8.57 | 146 | 188809 | 37.670 | ng | | 96 |
| 15) Benzyl Alcohol | 8.53 | 79 | 196169 | 41.608 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.77 | 45 | 259466 | 31.724 | ng | | 99 |
| 17) 2-Methylphenol | 8.73 | 107 | 150758 | 36.846 | ng | | 99 |
| 18) Hexachloroethane | 9.11 | 117 | 80093 | 36.354 | ng | # | 87 |
| 19) n-Nitroso-di-n-propylamine | 8.97 | 70 | 150203 | 36.242 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.97 | 107 | 201823 | 39.131 | ng | | 98 |
| 22) Acetophenone | 8.95 | 105 | 286292 | 37.202 | ng | | 98 |
| 24) Nitrobenzene | 9.22 | 77 | 228876 | 38.139 | ng | | 99 |
| 25) Isophorone | 9.61 | 82 | 404731 | 37.399 | ng | | 99 |
| 26) 2-Nitrophenol | 9.73 | 139 | 90252 | 41.059 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 9.82 | 122 | 154404 | 44.346 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 9.98 | 93 | 228099 | 33.594 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.12 | 162 | 170918 | 43.130 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 10.26 | 180 | 193293 | 41.761 | ng | | 97 |
| 31) Naphthalene | 10.37 | 128 | 511494 | 38.250 | ng | | 99 |
| 32) Benzoic acid | 10.01 | 122 | 95209 | 37.824 | ng | | 91 |
| 33) 4-Chloroaniline | 10.47 | 127 | 111189 | 19.161 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.60 | 225 | 136123 | 46.751 | ng | | 94 |
| 35) Caprolactam | 11.04 | 113 | 52189m | 38.212 | ng | | |
| 36) 4-Chloro-3-methylphenol | 11.29 | 107 | 200097 | 42.588 | ng | | 94 |
| 37) 2-Methylnaphthalene | 11.51 | 142 | 374756 | 41.070 | ng | | 97 |
| 38) 1-Methylnaphthalene | 11.67 | 142 | 356041 | 41.306 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 11.79 | 216 | 223606 | 46.576 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 11.78 | 237 | 261130 | 117.904 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 11.97 | 196 | 141998 | 45.300 | ng | | 99 |
| 44) 2,4,5-Trichlorophenol | 12.03 | 196 | 155269 | 47.807 | ng | | 96 |
| 46) 1,1'-Biphenyl | 12.28 | 154 | 483046 | 41.029 | ng | | 99 |
| 47) 2-Chloronaphthalene | 12.30 | 162 | 380680 | 40.480 | ng | | 98 |
| 48) 2-Nitroaniline | 12.47 | 65 | 141804 | 38.474 | ng | | 96 |
| 49) Acenaphthylene | 12.97 | 152 | 600662 | 42.611 | ng | | 99 |
| 50) Dimethylphthalate | 12.80 | 163 | 489971 | 43.005 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 12.88 | 165 | 106729 | 43.760 | ng | | 99 |
| 52) Acenaphthene | 13.26 | 154 | 345136 | 40.703 | ng | | 99 |
| 53) 3-Nitroaniline | 13.14 | 138 | 68531 | 25.014 | ng | | 94 |
| 54) 2,4-Dinitrophenol | 13.32 | 184 | 87897 | 87.500 | ng | | 94 |
| 55) Dibenzofuran | 13.55 | 168 | 565948 | 44.416 | ng | | 98 |
| 56) 4-Nitrophenol | 13.45 | 139 | 155674 | 80.187 | ng | | 91 |
| 57) 2,4-Dinitrotoluene | 13.54 | 165 | 144560 | 47.287 | ng | | 96 |
| 58) Fluorene | 14.11 | 166 | 456576 | 44.718 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 13.76 | 232 | 145878 | 54.640 | ng | | 93 |
| 60) Diethylphthalate | 13.97 | 149 | 506131 | 42.903 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 14.13 | 204 | 248211 | 47.740 | ng | | 95 |
| 62) 4-Nitroaniline | 12.47 | 138 | 119023 | 37.471 | ng | | 97 |
| 63) Azobenzene | 14.39 | 77 | 500706 | 39.265 | ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 14.21 | 198 | 62143 | 43.867 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 14.32 | 169 | 399031 | 39.196 | ng | | 100 |
| 67) 4-Bromophenyl-phenylether | 14.93 | 248 | 158783 | 43.651 | ng | | 91 |
| 68) Hexachlorobenzene | 15.01 | 284 | 184393 | 46.109 | ng | # | 90 |
| 69) Atrazine | 15.22 | 200 | 138381 | 44.519 | ng | | 98 |
| 70) Pentachlorophenol | 15.33 | 266 | 319859 | 153.460 | ng | | 94 |
| 71) Phenanthrene | 15.65 | 178 | 700631 | 39.775 | ng | | 99 |
| 72) Anthracene | 15.72 | 178 | 717277 | 41.313 | ng | | 98 |
| 73) Carbazole | 15.97 | 167 | 620738 | 39.290 | ng | | 99 |
| 74) Di-n-butylphthalate | 16.52 | 149 | 821572 | 38.677 | ng | | 99 |
| 75) Fluoranthene | 17.36 | 202 | 806719 | 43.260 | ng | | 97 |
| 77) Benzidine | 17.54 | 184 | 237447 | 28.711 | ng | | 99 |
| 78) Pyrene | 17.66 | 202 | 814835 | 32.298 | ng | | 99 |
| 80) Butylbenzylphthalate | 18.55 | 149 | 347483 | 29.820 | ng | | 93 |
| 81) Benzo(a)anthracene | 19.24 | 228 | 766780 | 34.526 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 19.21 | 252 | 196628 | 26.800 | ng | # | 96 |
| 83) Chrysene | 19.29 | 228 | 702531 | 35.326 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 19.29 | 149 | 492196 | 30.722 | ng | # | 98 |
| 85) Di-n-octyl phthalate | 20.07 | 149 | 810866 | 28.492 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 22.67 | 276 | 773161 | 32.988 | ng | # | 94 |
| 88) Benzo(b)fluoranthene | 20.54 | 252 | 721459 | 41.580 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 20.57 | 252 | 693334 | 41.487 | ng | | 99 |
| 90) Benzo(a)pyrene | 20.96 | 252 | 672258 | 42.063 | ng | # | 97 |
| 91) Dibenzo(a,h)anthracene | 22.70 | 278 | 653004 | 41.751 | ng | # | 96 |
| 92) Benzo(g,h,i)perylene | 23.16 | 276 | 628249 | 40.679 | ng | # | 94 |

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

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