Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM070918\
Data File : BM015844.D
Acq On : 09 Jul 2018 15:45
Operator : SJ/JU
Sample : PB110833BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB110833BS

Manual Integrations APPROVED
Sohil
7/10/2018 2:50:02 PM

Quant Time: Jul 10 02:07:19 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 05 17:39:50 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.30 | 152 | 78391 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 11.13 | 136 | 353778 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 14.92 | 164 | 210126 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 17.64 | 188 | 481080 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 21.76 | 240 | 529048 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 24.16 | 264 | 521187 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.80 | 112 | 597795 | 130.78 | ng | | -0.01 |
| 7) Phenol-d6 | 7.45 | 99 | 798597 | 127.62 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 9.49 | 82 | 547695 | 75.54 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.40 | 330 | 345060 | 125.68 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 13.54 | 172 | 1231287 | 72.75 | ng | | -0.02 |
| 78) Terphenyl-d14 | 20.21 | 244 | 2120075 | 74.33 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.55 | 88 | 51545 | 27.266 | ng | # | 100 |
| 3) Pyridine | 4.00 | 79 | 128771 | 25.813 | ng | # | 74 |
| 4) n-Nitrosodimethylamine | 3.91 | 42 | 128172 | 32.997 | ng | # | 41 |
| 6) Aniline | 7.62 | 93 | 142032 | 18.721 | ng | # | 91 |
| 8) 2-Chlorophenol | 7.86 | 128 | 219400 | 39.993 | ng | | 95 |
| 9) Benzaldehyde | 7.44 | 77 | 91106 | 23.099 | ng | | 92 |
| 10) Phenol | 7.48 | 94 | 258943 | 41.182 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 7.72 | 93 | 177262 | 34.656 | ng | | 87 |
| 12) 1,3-Dichlorobenzene | 8.19 | 146 | 208571 | 34.291 | ng | # | 90 |
| 13) 1,4-Dichlorobenzene | 8.33 | 146 | 214317 | 34.073 | ng | | 94 |
| 14) 1,2-Dichlorobenzene | 8.66 | 146 | 211216 | 34.722 | ng | # | 95 |
| 15) Benzyl Alcohol | 8.55 | 79 | 199023 | 36.634 | ng | # | 87 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.83 | 45 | 285274 | 51.068 | ng | | 98 |
| 17) 2-Methylphenol | 8.75 | 107 | 178172 | 40.900 | ng | # | 87 |
| 18) Hexachloroethane | 9.39 | 117 | 88955 | 35.766 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 9.12 | 70 | 169411 | 33.686 | ng | # | 81 |
| 20) 3+4-Methylphenols | 9.08 | 107 | 239239 | 39.537 | ng | | 90 |
| 22) Acetophenone | 9.15 | 105 | 315987 | 34.287 | ng | # | 87 |
| 24) Nitrobenzene | 9.53 | 77 | 261860 | 37.100 | ng | | 99 |
| 25) Isophorone | 10.05 | 82 | 429178 | 38.780 | ng | # | 95 |
| 26) 2-Nitrophenol | 10.25 | 139 | 110542 | 36.371 | ng | # | 60 |
| 27) 2,4-Dimethylphenol | 10.29 | 122 | 212768 | 46.082 | ng | # | 85 |
| 28) bis(2-Chloroethoxy)methane | 10.53 | 93 | 263072 | 36.486 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.77 | 162 | 211404 | 41.341 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.99 | 180 | 212043 | 35.701 | ng | | 96 |
| 31) Naphthalene | 11.18 | 128 | 661610 | 36.071 | ng | | 100 |
| 32) Benzoic acid | 10.45 | 122 | 131533m | 32.177 | ng | | |
| 33) 4-Chloroaniline | 11.30 | 127 | 123760 | 16.549 | ng | # | 88 |
| 34) Hexachlorobutadiene | 11.43 | 225 | 137982 | 34.810 | ng | | 98 |
| 35) Caprolactam | 12.10 | 113 | 62571m | 36.896 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.40 | 107 | 237485 | 40.475 | ng | | 86 |
| 37) 2-Methylnaphthalene | 12.77 | 142 | 504172 | 38.640 | ng | # | 93 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.13 | 216 | 242441 | 35.949 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 13.09 | 237 | 233779 | 74.920 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.37 | 196 | 162560 | 38.132 | ng | | 99 |
| 43) 2,4,5-Trichlorophenol | 13.44 | 196 | 171863 | 37.320 | ng | # | 82 |
| 45) 1,1'-Biphenyl | 13.76 | 154 | 648311 | 35.685 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.81 | 162 | 498183 | 36.676 | ng | # | 91 |
| 47) 2-Nitroaniline | 14.02 | 65 | 177778 | 37.531 | ng | # | 79 |
| 48) Acenaphthylene | 14.65 | 152 | 811419 | 36.721 | ng | | 99 |
| 49) Dimethylphthalate | 14.37 | 163 | 656372 | 35.419 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 14.51 | 165 | 136127 | 37.674 | ng | # | 70 |
| 51) Acenaphthene | 14.99 | 154 | 477553 | 34.731 | ng | | 98 |
| 52) 3-Nitroaniline | 14.84 | 138 | 81076 | 20.500 | ng | # | 77 |
| 53) 2,4-Dinitrophenol | 15.06 | 184 | 124793 | 69.977 | ng | # | 84 |
| 54) Dibenzofuran | 15.32 | 168 | 778037 | 36.722 | ng | # | 85 |
| 55) 4-Nitrophenol | 15.14 | 139 | 232591 | 79.687 | ng | # | 73 |
| 56) 2,4-Dinitrotoluene | 15.29 | 165 | 200342 | 38.405 | ng | | 98 |
| 57) Fluorene | 15.96 | 166 | 639621 | 36.608 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.54 | 232 | 154304 | 39.707 | ng | # | 100 |
| 59) Diethylphthalate | 15.72 | 149 | 717360 | 36.123 | ng | | 95 |
| 60) 4-Chlorophenyl-phenylether | 15.94 | 204 | 312341 | 34.741 | ng | # | 88 |
| 61) 4-Nitroaniline | 16.00 | 138 | 150321 | 36.639 | ng | # | 35 |
| 62) Azobenzene | 16.24 | 77 | 756344 | 40.630 | ng | | 81 |
| 64) 4,6-Dinitro-2-methylphenol | 16.06 | 198 | 94571 | 32.336 | ng | | 87 |
| 65) n-Nitrosodiphenylamine | 16.16 | 169 | 553959 | 33.605 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 16.83 | 248 | 190213 | 35.412 | ng | # | 82 |
| 67) Hexachlorobenzene | 16.96 | 284 | 208464 | 34.731 | ng | # | 78 |
| 68) Atrazine | 17.09 | 200 | 207614 | 38.290 | ng | | 97 |
| 69) Pentachlorophenol | 17.30 | 266 | 235610 | 63.438 | ng | | 98 |
| 70) Phenanthrene | 17.69 | 178 | 999981 | 36.333 | ng | | 99 |
| 71) Anthracene | 17.78 | 178 | 1012922 | 37.476 | ng | | 99 |
| 72) Carbazole | 18.05 | 167 | 934454 | 37.100 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.57 | 149 | 1229432 | 36.215 | ng | # | 98 |
| 74) Fluoranthene | 19.67 | 202 | 1157833 | 36.593 | ng | | 98 |
| 76) Benzidine | 19.84 | 184 | 356934 | 23.027 | ng | | 97 |
| 77) Pyrene | 20.03 | 202 | 1184598 | 35.945 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.87 | 149 | 588769 | 36.959 | ng | # | 82 |
| 80) Benzo(a)anthracene | 21.74 | 228 | 1243213 | 37.063 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.66 | 252 | 219383 | 18.203 | ng | | 99 |
| 82) Chrysene | 21.79 | 228 | 1147015 | 36.708 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.62 | 149 | 862482 | 36.642 | ng | | 95 |
| 84) Di-n-octyl phthalate | 22.54 | 149 | 1497975 | 39.030 | ng | # | 90 |
| 85) Indeno(1,2,3-cd)pyrene | 26.63 | 276 | 1329879 | 45.809 | ng | # | 93 |
| 87) Benzo(b)fluoranthene | 23.43 | 252 | 1227738 | 35.283 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 23.47 | 252 | 1170320 | 34.623 | ng | | 98 |
| 89) Benzo(a)pyrene | 24.05 | 252 | 1152938 | 37.640 | ng | | 99 |
| 90) Dibenzo(a,h)anthracene | 26.63 | 278 | 1138118 | 41.297 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 27.39 | 276 | 1037371 | 42.841 | ng | # | 94 |

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

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