Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072318\
Data File : BM016020.D
Acq On : 23 Jul 2018 11:37
Operator : SJ/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Manual Integrations APPROVED
Sohil
7/24/2018 3:01:51 PM

Quant Time: Jul 23 15:18:06 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 23 14:03:00 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.23 | 152 | 35101 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.06 | 136 | 138993 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.86 | 164 | 70080 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.59 | 188 | 152183 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.70 | 240 | 165067 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.07 | 264 | 183392 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.76 | 112 | 8027 | 3.92 | ng | | 0.02 |
| 7) Phenol-d6 | 7.40 | 99 | 10935 | 3.90 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 9.43 | 82 | 12177 | 4.27 | ng | | 0.01 |
| 41) 2,4,6-Tribromophenol | 0.00 | 330 | 0d | 0.00 | ng | | |
| 44) 2-Fluorobiphenyl | 13.48 | 172 | 26585 | 4.71 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.16 | 244 | 34003 | 3.82 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 2244 | 2.651 | ng | # | 100 |
| 6) Aniline | 7.57 | 93 | 6368 | 1.875 | ng | # | 86 |
| 8) 2-Chlorophenol | 7.80 | 128 | 5097 | 2.075 | ng | | 90 |
| 9) Benzaldehyde | 7.40 | 77 | 4287 | 2.427 | ng | # | 82 |
| 10) Phenol | 7.43 | 94 | 5460 | 1.939 | ng | | 89 |
| 11) bis(2-Chloroethyl)ether | 7.66 | 93 | 4517 | 1.972 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 8.12 | 146 | 6936 | 2.547 | ng | # | 88 |
| 13) 1,4-Dichlorobenzene | 8.27 | 146 | 6895 | 2.448 | ng | | 93 |
| 14) 1,2-Dichlorobenzene | 8.59 | 146 | 6768 | 2.485 | ng | # | 81 |
| 15) Benzyl Alcohol | 8.52 | 79 | 4512m | 1.855 | ng | | |
| 16) 2,2'-oxybis(1-Chloropropan | 8.76 | 45 | 7394 | 2.956 | ng | | 88 |
| 17) 2-Methylphenol | 8.70 | 107 | 3420 | 1.753 | ng | # | 73 |
| 18) Hexachloroethane | 9.30 | 117 | 2696 | 2.421 | ng | | 85 |
| 19) n-Nitroso-di-n-propylamine | 9.05 | 70 | 3884 | 1.725 | ng | # | 73 |
| 22) Acetophenone | 9.09 | 105 | 7544 | 2.084 | ng | # | 83 |
| 24) Nitrobenzene | 9.47 | 77 | 6415 | 2.313 | ng | | 97 |
| 25) Isophorone | 9.99 | 82 | 7864 | 1.809 | ng | # | 92 |
| 27) 2,4-Dimethylphenol | 10.23 | 122 | 3233 | 1.782 | ng | # | 61 |
| 28) bis(2-Chloroethoxy)methane | 10.47 | 93 | 5456 | 1.926 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 10.73 | 162 | 3657 | 1.820 | ng | | 89 |
| 30) 1,2,4-Trichlorobenzene | 10.92 | 180 | 5971 | 2.559 | ng | | 95 |
| 31) Naphthalene | 11.11 | 128 | 16812 | 2.333 | ng | | 96 |
| 33) 4-Chloroaniline | 11.26 | 127 | 5283m | 1.798 | ng | | |
| 34) Hexachlorobutadiene | 11.36 | 225 | 3838 | 2.464 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 12.35 | 107 | 3878 | 1.682 | ng | # | 79 |
| 37) 2-Methylnaphthalene | 12.70 | 142 | 10007 | 1.952 | ng | # | 87 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.06 | 216 | 5596 | 2.488 | ng | # | 100 |
| 42) 2,4,6-Trichlorophenol | 13.31 | 196 | 2747 | 1.932 | ng | # | 94 |
| 43) 2,4,5-Trichlorophenol | 13.40 | 196 | 2993 | 1.949 | ng | # | 84 |
| 45) 1,1'-Biphenyl | 13.70 | 154 | 14276 | 2.356 | ng | | 87 |
| 46) 2-Chloronaphthalene | 13.75 | 162 | 11041 | 2.437 | ng | # | 76 |
| 48) Acenaphthylene | 14.59 | 152 | 14575 | 1.978 | ng | | 96 |
| 49) Dimethylphthalate | 14.31 | 163 | 13389 | 2.166 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 14.44 | 165 | 2208 | 1.832 | ng | # | 40 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 51) Acenaphthene | 14.92 | 154 | 10280 | 2.242 | ng | | 91 |
| 54) Dibenzofuran | 15.26 | 168 | 16964 | 2.401 | ng | # | 84 |
| 57) Fluorene | 15.90 | 166 | 11996 | 2.059 | ng | | 95 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.49 | 232 | 2469 | 1.905 | ng | # | 100 |
| 59) Diethylphthalate | 15.65 | 149 | 14484 | 2.187 | ng | # | 92 |
| 60) 4-Chlorophenyl-phenylether | 15.88 | 204 | 6858 | 2.287 | ng | # | 77 |
| 62) Azobenzene | 16.17 | 77 | 12926 | 2.082 | ng | # | 79 |
| 65) n-Nitrosodiphenylamine | 16.10 | 169 | 10433 | 2.001 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 16.77 | 248 | 3602 | 2.120 | ng | # | 66 |
| 67) Hexachlorobenzene | 16.90 | 284 | 4123 | 2.171 | ng | # | 74 |
| 68) Atrazine | 17.03 | 200 | 3586 | 2.091 | ng | | 87 |
| 70) Phenanthrene | 17.63 | 178 | 19980 | 2.295 | ng | | 98 |
| 71) Anthracene | 17.72 | 178 | 17558 | 2.054 | ng | # | 94 |
| 72) Carbazole | 18.00 | 167 | 17581 | 2.207 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.51 | 149 | 20126 | 1.874 | ng | # | 95 |
| 74) Fluoranthene | 19.62 | 202 | 20340 | 2.032 | ng | | 95 |
| 76) Benzidine | 19.80 | 184 | 9701 | 2.006 | ng | # | 94 |
| 77) Pyrene | 19.97 | 202 | 21602 | 2.101 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.83 | 149 | 9949 | 2.002 | ng | | 91 |
| 80) Benzo(a)anthracene | 21.69 | 228 | 23524 | 2.248 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 21.62 | 252 | 8857 | 2.355 | ng | | 93 |
| 82) Chrysene | 21.74 | 228 | 22990m | 2.358 | ng | | |
| 83) Bis(2-ethylhexyl)phthalate | 21.57 | 149 | 13861 | 1.887 | ng | # | 87 |
| 84) Di-n-octyl phthalate | 22.48 | 149 | 23381 | 1.953 | ng | # | 85 |
| 85) Indeno(1,2,3-cd)pyrene | 26.51 | 276 | 28253 | 3.119 | ng | # | 95 |
| 87) Benzo(b)fluoranthene | 23.36 | 252 | 24183 | 1.975 | ng | # | 94 |
| 88) Benzo(k)fluoranthene | 23.40 | 252 | 25042 | 2.105 | ng | | 98 |
| 89) Benzo(a)pyrene | 23.97 | 252 | 23609 | 2.190 | ng | # | 89 |
| 90) Dibenzo(a,h)anthracene | 26.50 | 278 | 23902 | 2.465 | ng | # | 95 |
| 91) Benzo(g,h,i)perylene | 27.26 | 276 | 24096 | 2.828 | ng | # | 87 |

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

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