Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072318\
Data File : BM016021.D
Acq On : 23 Jul 2018 12:14
Operator : SJ/JU
Sample : SSTDICC010
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTDICC010

Quant Time: Jul 23 14:08:17 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 | 34224 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.06 | 136 | 146067 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.86 | 164 | 79467 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.59 | 188 | 173220 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.70 | 240 | 198723 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.07 | 264 | 208533 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.75 | 112 | 44205 | 22.15 | ng | | 0.00 |
| 7) Phenol-d6 | 7.39 | 99 | 54217 | 19.85 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.42 | 82 | 64764 | 21.63 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.34 | 330 | 18913 | 18.21 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.48 | 172 | 134306 | 20.98 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.15 | 244 | 185968 | 17.36 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 10711 | 12.978 | ng | # | 100 |
| 3) Pyridine | 3.98 | 79 | 21030 | 9.656 | ng | # | 80 |
| 4) n-Nitrosodimethylamine | 3.88 | 42 | 17365 | 10.240 | ng | # | 29 |
| 6) Aniline | 7.56 | 93 | 32078 | 9.685 | ng | | 89 |
| 8) 2-Chlorophenol | 7.80 | 128 | 25755 | 10.753 | ng | | 96 |
| 9) Benzaldehyde | 7.38 | 77 | 21225 | 12.326 | ng | | 86 |
| 10) Phenol | 7.42 | 94 | 27222 | 9.916 | ng | | 96 |
| 11) bis(2-Chloroethyl)ether | 7.65 | 93 | 22652 | 10.144 | ng | # | 79 |
| 12) 1,3-Dichlorobenzene | 8.12 | 146 | 30223 | 11.381 | ng | # | 93 |
| 13) 1,4-Dichlorobenzene | 8.27 | 146 | 30412 | 11.075 | ng | # | 93 |
| 14) 1,2-Dichlorobenzene | 8.59 | 146 | 31305 | 11.788 | ng | # | 94 |
| 15) Benzyl Alcohol | 8.49 | 79 | 21384 | 9.016 | ng | # | 87 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.75 | 45 | 35331 | 14.487 | ng | | 97 |
| 17) 2-Methylphenol | 8.69 | 107 | 19384 | 10.192 | ng | # | 75 |
| 18) Hexachloroethane | 9.31 | 117 | 14109 | 12.994 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 9.05 | 70 | 20502 | 9.338 | ng | # | 69 |
| 20) 3+4-Methylphenols | 9.02 | 107 | 25918 | 9.811 | ng | | 86 |
| 22) Acetophenone | 9.08 | 105 | 39083 | 10.271 | ng | # | 85 |
| 24) Nitrobenzene | 9.46 | 77 | 33348 | 11.443 | ng | | 97 |
| 25) Isophorone | 9.98 | 82 | 44272 | 9.689 | ng | # | 93 |
| 26) 2-Nitrophenol | 10.19 | 139 | 11837 | 9.433 | ng | # | 59 |
| 27) 2,4-Dimethylphenol | 10.23 | 122 | 19876 | 10.426 | ng | # | 80 |
| 28) bis(2-Chloroethoxy)methane | 10.46 | 93 | 29030 | 9.752 | ng | # | 97 |
| 29) 2,4-Dichlorophenol | 10.72 | 162 | 21879 | 10.363 | ng | | 92 |
| 30) 1,2,4-Trichlorobenzene | 10.92 | 180 | 27221 | 11.100 | ng | | 97 |
| 31) Naphthalene | 11.11 | 128 | 79098 | 10.445 | ng | | 99 |
| 32) Benzoic acid | 10.33 | 122 | 12465 | 7.385 | ng | | 84 |
| 33) 4-Chloroaniline | 11.23 | 127 | 30830 | 9.985 | ng | # | 87 |
| 34) Hexachlorobutadiene | 11.36 | 225 | 19638 | 11.999 | ng | | 98 |
| 35) Caprolactam | 12.01 | 113 | 5030 | 7.184 | ng | # | 80 |
| 36) 4-Chloro-3-methylphenol | 12.34 | 107 | 24852 | 10.259 | ng | | 86 |
| 37) 2-Methylnaphthalene | 12.70 | 142 | 52616 | 9.767 | ng | # | 92 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.06 | 216 | 27565 | 10.808 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 13.02 | 237 | 7087 | 7.545 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.30 | 196 | 16387 | 10.164 | ng | | 98 |
| 43) 2,4,5-Trichlorophenol | 13.39 | 196 | 17983 | 10.326 | ng | # | 83 |
| 45) 1,1'-Biphenyl | 13.69 | 154 | 75712 | 11.020 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.74 | 162 | 59086 | 11.502 | ng | # | 88 |
| 47) 2-Nitroaniline | 13.97 | 65 | 15596 | 8.706 | ng | # | 81 |
| 48) Acenaphthylene | 14.59 | 152 | 86615 | 10.365 | ng | | 99 |
| 49) Dimethylphthalate | 14.31 | 163 | 74541 | 10.636 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.44 | 165 | 14534 | 10.636 | ng | # | 57 |
| 51) Acenaphthene | 14.92 | 154 | 53347 | 10.259 | ng | | 96 |
| 52) 3-Nitroaniline | 14.79 | 138 | 13354 | 8.928 | ng | # | 63 |
| 53) 2,4-Dinitrophenol | 15.02 | 184 | 3866 | 6.689 | ng | # | 78 |
| 54) Dibenzofuran | 15.26 | 168 | 87075 | 10.867 | ng | # | 81 |
| 55) 4-Nitrophenol | 15.10 | 139 | 8999 | 8.152 | ng | # | 80 |
| 56) 2,4-Dinitrotoluene | 15.24 | 165 | 18300 | 9.276 | ng | # | 76 |
| 57) Fluorene | 15.90 | 166 | 64371 | 9.742 | ng | | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.48 | 232 | 15180 | 10.329 | ng | # | 100 |
| 59) Diethylphthalate | 15.65 | 149 | 78255 | 10.420 | ng | | 94 |
| 60) 4-Chlorophenyl-phenylether | 15.88 | 204 | 35410 | 10.414 | ng | # | 80 |
| 61) 4-Nitroaniline | 15.94 | 138 | 12944 | 8.342 | ng | # | 43 |
| 62) Azobenzene | 16.17 | 77 | 82979 | 11.787 | ng | # | 76 |
| 64) 4,6-Dinitro-2-methylphenol | 16.00 | 198 | 8980 | 8.528 | ng | | 89 |
| 65) n-Nitrosodiphenylamine | 16.10 | 169 | 58873 | 9.919 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.77 | 248 | 19478 | 10.071 | ng | # | 70 |
| 67) Hexachlorobenzene | 16.89 | 284 | 22013 | 10.186 | ng | # | 64 |
| 68) Atrazine | 17.03 | 200 | 20446 | 10.473 | ng | | 95 |
| 69) Pentachlorophenol | 17.24 | 266 | 11604 | 8.677 | ng | | 98 |
| 70) Phenanthrene | 17.63 | 178 | 102007 | 10.293 | ng | | 97 |
| 71) Anthracene | 17.72 | 178 | 98243 | 10.095 | ng | | 96 |
| 72) Carbazole | 17.99 | 167 | 102500 | 11.302 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.51 | 149 | 122517 | 10.023 | ng | # | 96 |
| 74) Fluoranthene | 19.62 | 202 | 114149 | 10.019 | ng | | 98 |
| 76) Benzidine | 19.80 | 184 | 59838 | 10.277 | ng | | 98 |
| 77) Pyrene | 19.97 | 202 | 122726 | 9.914 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.83 | 149 | 58424 | 9.764 | ng | # | 82 |
| 80) Benzo(a)anthracene | 21.69 | 228 | 129241 | 10.258 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.62 | 252 | 50179 | 11.084 | ng | | 99 |
| 82) Chrysene | 21.74 | 228 | 125174 | 10.665 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.57 | 149 | 84296 | 9.534 | ng | # | 90 |
| 84) Di-n-octyl phthalate | 22.49 | 149 | 143920 | 9.983 | ng | # | 88 |
| 85) Indeno(1,2,3-cd)pyrene | 26.50 | 276 | 148319 | 13.601 | ng | # | 94 |
| 87) Benzo(b)fluoranthene | 23.35 | 252 | 125387 | 9.006 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 23.40 | 252 | 129225 | 9.555 | ng | | 98 |
| 89) Benzo(a)pyrene | 23.97 | 252 | 119905 | 9.784 | ng | # | 98 |
| 90) Dibenzo(a,h)anthracene | 26.50 | 278 | 125793 | 11.408 | ng | | 94 |
| 91) Benzo(g,h,i)perylene | 27.26 | 276 | 121189 | 12.508 | ng | # | 94 |

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

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