Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082118\
Data File : BM016482.D
Acq On : 21 Aug 2018 12:45
Operator : SJ/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

**Manual Integrations APPROVED**
Sohil
8/22/2018 6:06:44 PM

Quant Time: Aug 21 15:02:47 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 21 14:43:31 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.02 | 152 | 123335 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.83 | 136 | 503976 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.66 | 164 | 335689 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.40 | 188 | 1067328 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.54 | 240 | 1521279 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 23.84 | 264 | 1815038 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.57 | 112 | 133233m | 18.15 | ng | | 0.01 |
| 7) Phenol-d6 | 7.19 | 99 | 176730 | 17.92 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.21 | 82 | 234167 | 19.35 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.16 | 330 | 171482 | 33.82 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.28 | 172 | 656723 | 20.34 | ng | | 0.00 |
| 78) Terphenyl-d14 | 19.99 | 244 | 1467855 | 14.58 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.38 | 88 | 39931m | 10.865 | ng | | |
| 3) Pyridine | 3.83 | 79 | 75318m | 10.179 | ng | | |
| 4) n-Nitrosodimethylamine | 3.75 | 42 | 32511m | 3.813 | ng | | |
| 6) Aniline | 7.36 | 93 | 105217 | 10.308 | ng | # | 90 |
| 8) 2-Chlorophenol | 7.59 | 128 | 81885m | 9.050 | ng | | |
| 9) Benzaldehyde | 7.19 | 77 | 72247m | 11.139 | ng | | |
| 10) Phenol | 7.22 | 94 | 86152 | 9.016 | ng | | 93 |
| 11) bis(2-Chloroethyl)ether | 7.45 | 93 | 63815 | 8.797 | ng | | 94 |
| 12) 1,3-Dichlorobenzene | 7.91 | 146 | 109042 | 10.515 | ng | # | 91 |
| 13) 1,4-Dichlorobenzene | 8.06 | 146 | 114349 | 10.908 | ng | | 93 |
| 14) 1,2-Dichlorobenzene | 8.37 | 146 | 106658 | 10.357 | ng | | 97 |
| 15) Benzyl Alcohol | 8.29 | 79 | 91127m | 10.178 | ng | | |
| 16) 2,2'-oxybis(1-Chloropropan | 8.56 | 45 | 46077 | 5.046 | ng | # | 47 |
| 17) 2-Methylphenol | 8.48 | 107 | 64261 | 9.307 | ng | # | 73 |
| 18) Hexachloroethane | 9.08 | 117 | 52657 | 9.754 | ng | # | 57 |
| 19) n-Nitroso-di-n-propylamine | 8.83 | 70 | 65281 | 8.717 | ng | # | 86 |
| 20) 3+4-Methylphenols | 8.83 | 107 | 84974m | 8.955 | ng | | |
| 22) Acetophenone | 8.87 | 105 | 129390 | 9.573 | ng | # | 97 |
| 24) Nitrobenzene | 9.26 | 77 | 123325m | 10.572 | ng | | |
| 25) Isophorone | 9.76 | 82 | 153002m | 9.480 | ng | | |
| 26) 2-Nitrophenol | 9.98 | 139 | 43190m | 8.801 | ng | | |
| 27) 2,4-Dimethylphenol | 10.02 | 122 | 70979m | 10.820 | ng | | |
| 28) bis(2-Chloroethoxy)methane | 10.25 | 93 | 92760 | 9.935 | ng | # | 87 |
| 29) 2,4-Dichlorophenol | 10.51 | 162 | 94789m | 10.688 | ng | | |
| 30) 1,2,4-Trichlorobenzene | 10.69 | 180 | 137750 | 13.135 | ng | | 94 |
| 31) Naphthalene | 10.88 | 128 | 250702 | 9.808 | ng | | 96 |
| 32) Benzoic acid | 10.16 | 122 | 47223m | 8.863 | ng | | |
| 33) 4-Chloroaniline | 11.02 | 127 | 106875m | 9.756 | ng | | |
| 34) Hexachlorobutadiene | 11.13 | 225 | 134922 | 14.925 | ng | | 90 |
| 35) Caprolactam | 11.82 | 113 | 20841m | 9.167 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.14 | 107 | 88211m | 8.723 | ng | | |
| 37) 2-Methylnaphthalene | 12.49 | 142 | 198344 | 10.460 | ng | # | 88 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.86 | 216 | 201503 | 14.663 | ng | # | 100 |
| 40) Hexachlorocyclopentadiene | 12.80 | 237 | 35315 | 8.281 | ng | | 92 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.11 | 196 | 113433 | 13.207 | ng | | 93 |
| 43) 2,4,5-Trichlorophenol | 13.20 | 196 | 103925 | 12.402 | ng | # | 90 |
| 45) 1,1'-Biphenyl | 13.49 | 154 | 301263 | 9.696 | ng | | 96 |
| 46) 2-Chloronaphthalene | 13.55 | 162 | 247851 | 10.225 | ng | | 96 |
| 47) 2-Nitroaniline | 13.79 | 65 | 65974m | 7.849 | ng | | |
| 48) Acenaphthylene | 14.39 | 152 | 335900 | 9.216 | ng | | 99 |
| 49) Dimethylphthalate | 14.12 | 163 | 338131 | 10.271 | ng | # | 98 |
| 50) 2,6-Dinitrotoluene | 14.27 | 165 | 63789 | 10.209 | ng | # | 67 |
| 51) Acenaphthene | 14.73 | 154 | 213031 | 9.685 | ng | | 93 |
| 52) 3-Nitroaniline | 14.62 | 138 | 55138m | 8.957 | ng | | |
| 53) 2,4-Dinitrophenol | 14.86 | 184 | 26792m | 9.831 | ng | | |
| 54) Dibenzofuran | 15.06 | 168 | 389092 | 10.039 | ng | # | 77 |
| 55) 4-Nitrophenol | 14.96 | 139 | 29215m | 7.265 | ng | | |
| 56) 2,4-Dinitrotoluene | 15.07 | 165 | 93699 | 8.971 | ng | | 98 |
| 57) Fluorene | 15.72 | 166 | 285526 | 9.643 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.30 | 232 | 106555 | 13.572 | ng | # | 100 |
| 59) Diethylphthalate | 15.47 | 149 | 350678 | 9.388 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.70 | 204 | 248141 | 13.246 | ng | | 95 |
| 61) 4-Nitroaniline | 15.77 | 138 | 56582m | 9.506 | ng | | |
| 62) Azobenzene | 15.99 | 77 | 390082 | 9.055 | ng | | 91 |
| 64) 4,6-Dinitro-2-methylphenol | 15.84 | 198 | 72509m | 9.742 | ng | | |
| 65) n-Nitrosodiphenylamine | 15.92 | 169 | 288201 | 7.980 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 16.59 | 248 | 167235 | 11.650 | ng | | 97 |
| 67) Hexachlorobenzene | 16.71 | 284 | 184872 | 13.123 | ng | # | 93 |
| 68) Atrazine | 16.86 | 200 | 154049 | 11.635 | ng | | 93 |
| 69) Pentachlorophenol | 17.06 | 266 | 92292 | 11.442 | ng | | 94 |
| 70) Phenanthrene | 17.45 | 178 | 529867 | 8.762 | ng | | 99 |
| 71) Anthracene | 17.54 | 178 | 524327 | 8.734 | ng | | 98 |
| 72) Carbazole | 17.82 | 167 | 468918 | 8.070 | ng | | 99 |
| 73) Di-n-butylphthalate | 18.34 | 149 | 586226 | 7.030 | ng | # | 95 |
| 74) Fluoranthene | 19.44 | 202 | 776116 | 10.624 | ng | | 95 |
| 76) Benzidine | 19.64 | 184 | 351707 | 10.504 | ng | | 97 |
| 77) Pyrene | 19.81 | 202 | 825555 | 8.224 | ng | | 99 |
| 79) Butylbenzylphthalate | 20.67 | 149 | 278110 | 5.911 | ng | # | 82 |
| 80) Benzo(a)anthracene | 21.53 | 228 | 928005 | 9.428 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.46 | 252 | 406047 | 11.588 | ng | # | 97 |
| 82) Chrysene | 21.59 | 228 | 876241 | 9.473 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 21.42 | 149 | 420020 | 6.258 | ng | # | 88 |
| 84) Di-n-octyl phthalate | 22.31 | 149 | 714904 | 7.101 | ng | # | 92 |
| 85) Indeno(1,2,3-cd)pyrene | 26.16 | 276 | 1291050 | 17.064 | ng | # | 94 |
| 87) Benzo(b)fluoranthene | 23.14 | 252 | 1023919 | 8.517 | ng | # | 92 |
| 88) Benzo(k)fluoranthene | 23.19 | 252 | 1054716 | 8.778 | ng | # | 94 |
| 89) Benzo(a)pyrene | 23.74 | 252 | 1005619 | 9.240 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 26.16 | 278 | 1093672 | 11.207 | ng | # | 87 |
| 91) Benzo(g,h,i)perylene | 26.88 | 276 | 1025066 | 11.687 | ng | # | 82 |

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

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