Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_N\DATA\BN020918\
Data File : BN000052.D
Acq On : 09 Feb 2018 11:06
Operator : JU/SJ
Sample : MDL-S-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
MDL-S-02

**Manual Integrations APPROVED**
Sohil
2/13/2018 11:33:30 AM

Quant Time: Feb 12 14:58:52 2018
Quant Method : Z:\HPCHEM1\BNA_N\METHODS\8270-BN020718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 07 18:24:45 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.47 | 152 | 406307 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 11.30 | 136 | 2015954 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 15.07 | 164 | 1211148 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.80 | 188 | 2657541 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.91 | 240 | 2815155 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 24.40 | 264 | 2876861 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.94 | 112 | 3479577 | 139.57 | ng | | 0.00 |
| 7) Phenol-d6 | 7.59 | 99 | 4961301 | 131.38 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.65 | 82 | 2955163 | 87.16 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.55 | 330 | 1691213 | 141.07 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.71 | 172 | 7443603 | 86.62 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.36 | 244 | 9057839 | 86.88 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.66 | 88 | 36553 | 3.644 | ng | | 98 |
| 3) Pyridine | 4.12 | 79 | 97047 | 3.108 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 4.02 | 42 | 28255 | 3.200 | ng | # | 88 |
| 6) Aniline | 7.77 | 93 | 160831 | 3.091 | ng | | 90 |
| 8) 2-Chlorophenol | 8.02 | 128 | 100311 | 3.441 | ng | | 90 |
| 9) Benzaldehyde | 7.58 | 77 | 69223 | 2.947 | ng | | 97 |
| 10) Phenol | 7.62 | 94 | 136017 | 3.412 | ng | | 91 |
| 11) bis(2-Chloroethyl)ether | 7.87 | 93 | 109042 | 3.326 | ng | | 84 |
| 12) 1,3-Dichlorobenzene | 8.35 | 146 | 116830 | 3.527 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.50 | 146 | 120329 | 3.557 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.83 | 146 | 117962 | 3.542 | ng | | 94 |
| 15) Benzyl Alcohol | 8.70 | 79 | 75417 | 2.779 | ng | | 86 |
| 16) 2,2'-oxybis(1-Chloropropan | 9.00 | 45 | 120263 | 3.466 | ng | | 80 |
| 17) 2-Methylphenol | 8.89 | 107 | 84381 | 2.979 | ng | | 93 |
| 18) Hexachloroethane | 9.57 | 117 | 38137 | 3.238 | ng | # | 75 |
| 19) n-Nitroso-di-n-propylamine | 9.27 | 70 | 72487 | 2.865 | ng | # | 85 |
| 20) 3+4-Methylphenols | 9.22 | 107 | 114127 | 2.881 | ng | | 93 |
| 22) Acetophenone | 9.30 | 105 | 184957 | 3.274 | ng | # | 87 |
| 24) Nitrobenzene | 9.69 | 77 | 139479 | 3.763 | ng | # | 90 |
| 25) Isophorone | 10.20 | 82 | 204057 | 2.911 | ng | | 98 |
| 26) 2-Nitrophenol | 10.40 | 139 | 30009 | 8.872 | ng | # | 86 |
| 27) 2,4-Dimethylphenol | 10.44 | 122 | 84972m | 2.796 | ng | | |
| 28) bis(2-Chloroethoxy)methane | 10.69 | 93 | 145407 | 3.235 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 10.94 | 162 | 69300 | 2.464 | ng | | 96 |
| 30) 1,2,4-Trichlorobenzene | 11.16 | 180 | 114549 | 3.537 | ng | | 97 |
| 31) Naphthalene | 11.36 | 128 | 389314 | 3.523 | ng | | 97 |
| 32) Benzoic acid | 10.48 | 122 | 22812m | 11.332 | ng | | |
| 33) 4-Chloroaniline | 11.45 | 127 | 141445 | 2.913 | ng | | 95 |
| 34) Hexachlorobutadiene | 11.63 | 225 | 59246 | 3.528 | ng | | 97 |
| 35) Caprolactam | 12.17 | 113 | 20202 | 5.524 | ng | | 92 |
| 36) 4-Chloro-3-methylphenol | 12.53 | 107 | 85048 | 2.382 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.93 | 142 | 258998 | 3.368 | ng | | 95 |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.29 | 216 | 124719 | 3.489 | ng | # | 97 |
| 40) Hexachlorocyclopentadiene | 13.27 | 237 | 39454 | 2.648 | ng | | 89 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.52 | 196 | 49177 | 2.295 | ng | | 96 |
| 43) 2,4,5-Trichlorophenol | 13.59 | 196 | 60564 | 2.351 | ng | # | 94 |
| 45) 1,1'-Biphenyl | 13.92 | 154 | 397664 | 3.728 | ng | | 98 |
| 46) 2-Chloronaphthalene | 13.97 | 162 | 280334 | 3.503 | ng | | 95 |
| 47) 2-Nitroaniline | 14.15 | 65 | 42480 | 6.504 | ng | # | 82 |
| 48) Acenaphthylene | 14.80 | 152 | 406832 | 3.155 | ng | | 98 |
| 49) Dimethylphthalate | 14.51 | 163 | 328422 | 3.244 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.63 | 165 | 46179 | 2.209 | ng | | 90 |
| 51) Acenaphthene | 15.14 | 154 | 289920 | 3.454 | ng | | 99 |
| 52) 3-Nitroaniline | 14.96 | 138 | 56441 | 2.222 | ng | # | 87 |
| 53) 2,4-Dinitrophenol | 15.16 | 184 | 9864 | 10.405 | ng | | 85 |
| 54) Dibenzofuran | 15.47 | 168 | 425199 | 3.577 | ng | | 95 |
| 55) 4-Nitrophenol | 15.23 | 139 | 31117 | 6.378 | ng | # | 78 |
| 56) 2,4-Dinitrotoluene | 15.41 | 165 | 52304 | 5.779 | ng | # | 97 |
| 57) Fluorene | 16.11 | 166 | 344370 | 3.548 | ng | | 97 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.68 | 232 | 47135 | 2.319 | ng | # | 85 |
| 59) Diethylphthalate | 15.86 | 149 | 324539 | 3.154 | ng | | 97 |
| 60) 4-Chlorophenyl-phenylether | 16.09 | 204 | 156906 | 3.547 | ng | # | 87 |
| 61) 4-Nitroaniline | 16.11 | 138 | 55790 | 2.137 | ng | | 90 |
| 62) Azobenzene | 16.39 | 77 | 310307 | 3.030 | ng | | 90 |
| 64) 4,6-Dinitro-2-methylphenol | 16.16 | 198 | 18401 | 9.904 | ng | | 89 |
| 65) n-Nitrosodiphenylamine | 16.30 | 169 | 273613 | 3.164 | ng | | 98 |
| 66) 4-Bromophenyl-phenylether | 16.98 | 248 | 83324 | 3.297 | ng | # | 83 |
| 67) Hexachlorobenzene | 17.10 | 284 | 101433 | 3.437 | ng | # | 85 |
| 68) Atrazine | 17.23 | 200 | 70546 | 2.507 | ng | | 96 |
| 69) Pentachlorophenol | 17.43 | 266 | 35963 | 7.472 | ng | | 96 |
| 70) Phenanthrene | 17.83 | 178 | 570011 | 3.631 | ng | | 98 |
| 71) Anthracene | 17.93 | 178 | 498652 | 3.281 | ng | | 99 |
| 72) Carbazole | 18.19 | 167 | 494956 | 3.232 | ng | | 97 |
| 73) Di-n-butylphthalate | 18.72 | 149 | 397425 | 2.351 | ng | # | 97 |
| 74) Fluoranthene | 19.82 | 202 | 537067 | 3.261 | ng | | 95 |
| 76) Benzidine | 19.98 | 184 | 129578 | 1.444 | ng | | 97 |
| 77) Pyrene | 20.17 | 202 | 603892 | 3.375 | ng | | 99 |
| 79) Butylbenzylphthalate | 21.03 | 149 | 132386 | 6.761 | ng | | 96 |
| 80) Benzo(a)anthracene | 21.90 | 228 | 583453 | 3.372 | ng | | 97 |
| 81) 3,3'-Dichlorobenzidine | 21.82 | 252 | 142468 | 2.242 | ng | # | 97 |
| 82) Chrysene | 21.95 | 228 | 625924 | 3.630 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.80 | 149 | 210299 | 4.472 | ng | | 92 |
| 84) Di-n-octyl phthalate | 22.76 | 149 | 282436 | 7.737 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 26.96 | 276 | 595334 | 2.811 | ng | # | 86 |
| 87) Benzo(b)fluoranthene | 23.64 | 252 | 535770 | 3.182 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 23.69 | 252 | 576028 | 3.396 | ng | # | 95 |
| 89) Benzo(a)pyrene | 24.29 | 252 | 489249 | 3.030 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 26.97 | 278 | 509985 | 3.020 | ng | # | 92 |
| 91) Benzo(g,h,i)perylene | 27.74 | 276 | 499799 | 2.927 | ng | # | 86 |

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

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