Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010419\
Data File : BG038962.D
Acq On : 5 Jan 2019 13:30
Operator : JU/SJ
Sample : IDOC-01
Misc : IDOC-BN-FE
ALS Vial : 33 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** IDOC-01

**Manual Integrations APPROVED**
Sohil
1/7/2019 12:48:27 PM

Quant Time: Jan 06 23:15:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.05 | 152 | 27768 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.87 | 136 | 113533 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 14.69 | 164 | 80281 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.44 | 188 | 187285 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.72 | 240 | 180675 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.02 | 264 | 197124 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 191954 | 122.61 | ng | | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 269260 | 125.28 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.23 | 82 | 164049 | 73.82 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 16.18 | 330 | 149954 | 135.53 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.31 | 172 | 452926 | 77.40 | ng | | -0.01 |
| 79) Terphenyl-d14 | 20.04 | 244 | 762826 | 91.89 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.48 | 88 | 17392 | 23.869 | ng | | 97 |
| 3) Pyridine | 3.90 | 79 | 942 | 0.470 | ng | # | 71 |
| 4) n-Nitrosodimethylamine | 3.81 | 42 | 34890 | 35.495 | ng | # | 88 |
| 6) Aniline | 7.38 | 93 | 5138 | 1.873 | ng | | 97 |
| 8) 2-Chlorophenol | 7.61 | 128 | 73256 | 40.434 | ng | | 98 |
| 9) Benzaldehyde | 7.19 | 77 | 31553 | 22.631 | ng | | 94 |
| 10) Phenol | 7.24 | 94 | 92806 | 40.645 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.47 | 93 | 58968 | 32.437 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.94 | 146 | 78148 | 36.481 | ng | | 95 |
| 13) 1,4-Dichlorobenzene | 8.08 | 146 | 79667 | 36.312 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.40 | 146 | 76909 | 37.184 | ng | | 96 |
| 15) Benzyl Alcohol | 8.29 | 79 | 66558 | 39.675 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.57 | 45 | 122466 | 29.408 | ng | | 96 |
| 17) 2-Methylphenol | 8.49 | 107 | 62221 | 40.672 | ng | | 98 |
| 18) Hexachloroethane | 9.12 | 117 | 27802 | 34.679 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.85 | 70 | 51245 | 33.948 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.82 | 107 | 89128 | 42.186 | ng | | 99 |
| 22) Acetophenone | 8.88 | 105 | 104937 | 37.004 | ng | # | 96 |
| 24) Nitrobenzene | 9.27 | 77 | 81657 | 36.321 | ng | | 99 |
| 25) Isophorone | 9.78 | 82 | 147139 | 36.850 | ng | # | 97 |
| 26) 2-Nitrophenol | 9.98 | 139 | 45351 | 39.413 | ng | | 93 |
| 27) 2,4-Dimethylphenol | 10.03 | 122 | 73631 | 44.649 | ng | | 97 |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93 | 84557 | 37.525 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.51 | 162 | 85924 | 46.835 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.73 | 180 | 92442 | 41.715 | ng | | 95 |
| 31) Naphthalene | 10.92 | 128 | 236063 | 42.200 | ng | | 99 |
| 32) Benzoic acid | 10.14 | 122 | 1177m | 11.050 | ng | | |
| 33) 4-Chloroaniline | 11.04 | 127 | 11429 | 4.706 | ng | | 93 |
| 34) Hexachlorobutadiene | 11.18 | 225 | 60409 | 40.287 | ng | | 97 |
| 35) Caprolactam | 11.82 | 113 | 9817m | 12.930 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.15 | 107 | 86461 | 41.298 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.52 | 142 | 182346 | 45.692 | ng | | 100 |
| 38) 1-Methylnaphthalene | 12.74 | 142 | 173922 | 44.912 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.88 | 216 | 115318 | 38.428 | ng | | 98 |

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| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.84 | 237 | 120054 | 72.819 ng | | 94 |
| 43) 2,4,6-Trichlorophenol | 13.12 | 196 | 80161 | 43.445 ng | | 94 |
| 44) 2,4,5-Trichlorophenol | 13.20 | 196 | 86405 | 44.229 ng | | 95 |
| 46) 1,1'-Biphenyl | 13.52 | 154 | 236689 | 35.169 ng | | 99 |
| 47) 2-Chloronaphthalene | 13.57 | 162 | 195823 | 37.668 ng | | 99 |
| 48) 2-Nitroaniline | 13.78 | 65 | 59683 | 36.043 ng | | 92 |
| 49) Acenaphthylene | 14.42 | 152 | 312449 | 40.203 ng | | 99 |
| 50) Dimethylphthalate | 14.14 | 163 | 261810 | 39.934 ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.28 | 165 | 55483 | 37.345 ng | # | 88 |
| 52) Acenaphthene | 14.75 | 154 | 180945 | 38.936 ng | | 98 |
| 53) 3-Nitroaniline | 14.61 | 138 | 43914 | 28.996 ng | | 97 |
| 54) 2,4-Dinitrophenol | 14.82 | 184 | 42037 | 49.655 ng | | 98 |
| 55) Dibenzofuran | 15.09 | 168 | 306101 | 38.425 ng | | 97 |
| 56) 4-Nitrophenol | 14.92 | 139 | 81517 | 70.950 ng | | 98 |
| 57) 2,4-Dinitrotoluene | 15.06 | 165 | 81682 | 39.035 ng | # | 88 |
| 58) Fluorene | 15.73 | 166 | 244430 | 41.415 ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.32 | 232 | 77528 | 44.110 ng | | 97 |
| 60) Diethylphthalate | 15.49 | 149 | 255311 | 35.474 ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.72 | 204 | 141609 | 38.455 ng | | 99 |
| 62) 4-Nitroaniline | 15.77 | 138 | 55122 | 35.353 ng | | 97 |
| 63) Azobenzene | 16.01 | 77 | 205494 | 34.179 ng | | 96 |
| 65) 4,6-Dinitro-2-methylphenol | 15.82 | 198 | 45221 | 33.848 ng | | 91 |
| 66) n-Nitrosodiphenylamine | 15.94 | 169 | 221518 | 40.255 ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.62 | 248 | 92157 | 40.291 ng | | 94 |
| 68) Hexachlorobenzene | 16.73 | 284 | 98136 | 41.390 ng | | 96 |
| 69) Atrazine | 16.88 | 200 | 80707 | 39.520 ng | | 98 |
| 70) Pentachlorophenol | 17.08 | 266 | 102590 | 73.151 ng | | 99 |
| 71) Phenanthrene | 17.48 | 178 | 405089 | 41.710 ng | | 99 |
| 72) Anthracene | 17.57 | 178 | 409294 | 42.689 ng | | 99 |
| 73) Carbazole | 17.85 | 167 | 357678 | 37.721 ng | | 99 |
| 74) Di-n-butylphthalate | 18.38 | 149 | 423494 | 38.923 ng | | 99 |
| 75) Fluoranthene | 19.49 | 202 | 484868 | 40.351 ng | | 97 |
| 77) Benzidine | 19.68 | 184 | 2383m | 0.446 ng | | |
| 78) Pyrene | 19.85 | 202 | 485127 | 40.644 ng | | 99 |
| 80) Butylbenzylphthalate | 20.71 | 149 | 183404 | 39.330 ng | | 99 |
| 81) Benzo(a)anthracene | 21.70 | 228 | 467534 | 42.467 ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.61 | 252 | 86603 | 19.834 ng | | 99 |
| 83) Chrysene | 21.77 | 228 | 433234 | 40.855 ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.56 | 149 | 252744 | 38.215 ng | | 100 |
| 85) Di-n-octyl phthalate | 22.79 | 149 | 432101 | 39.011 ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.80 | 276 | 531962 | 42.670 ng | # | 78 |
| 88) Benzo(b)fluoranthene | 23.96 | 252 | 453457m | 41.898 ng | | |
| 89) Benzo(k)fluoranthene | 24.03 | 252 | 455515 | 42.266 ng | | 98 |
| 90) Benzo(a)pyrene | 24.86 | 252 | 450774 | 43.172 ng | # | 96 |
| 91) Dibenzo(a,h)anthracene | 28.86 | 278 | 441167 | 42.436 ng | | 97 |
| 92) Benzo(g,h,i)perylene | 29.99 | 276 | 433103 | 42.273 ng | | 96 |

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

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