Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010419\
Data File : BG038963.D
Acq On : 5 Jan 2019 14:09
Operator : JU/SJ
Sample : IDOC-02
Misc : IDOC-BN-FE
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
IDOC-02

**Manual Integrations APPROVED**
Sohil
1/7/2019 12:48:30 PM

Quant Time: Jan 06 23:17:27 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 | 26207 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.87 | 136 | 109501 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 14.69 | 164 | 75197 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.44 | 188 | 176135 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.72 | 240 | 170577 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.02 | 264 | 184804 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 142122 | 96.19 | ng | | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 201461 | 99.32 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.23 | 82 | 122156 | 56.99 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 16.18 | 330 | 108873 | 105.05 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 13.31 | 172 | 341958 | 62.38 | ng | | -0.01 |
| 79) Terphenyl-d14 | 20.04 | 244 | 572102 | 72.99 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.48 | 88 | 13891 | 20.200 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.81 | 42 | 27198 | 29.318 | ng | # | 87 |
| 6) Aniline | 7.38 | 93 | 3433 | 1.326 | ng | | 97 |
| 8) 2-Chlorophenol | 7.61 | 128 | 58136 | 34.000 | ng | | 93 |
| 9) Benzaldehyde | 7.19 | 77 | 23792 | 18.081 | ng | | 89 |
| 10) Phenol | 7.24 | 94 | 72543 | 33.663 | ng | | 95 |
| 11) bis(2-Chloroethyl)ether | 7.47 | 93 | 47135 | 27.472 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.93 | 146 | 61226 | 30.284 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.08 | 146 | 62267 | 30.072 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.40 | 146 | 59286 | 30.371 | ng | | 96 |
| 15) Benzyl Alcohol | 8.29 | 79 | 51775 | 32.701 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.57 | 45 | 98586 | 25.084 | ng | | 98 |
| 17) 2-Methylphenol | 8.49 | 107 | 49326 | 34.164 | ng | | 95 |
| 18) Hexachloroethane | 9.12 | 117 | 21854 | 28.884 | ng | | 91 |
| 19) n-Nitroso-di-n-propylamine | 8.85 | 70 | 40196 | 28.215 | ng | | 92 |
| 20) 3+4-Methylphenols | 8.82 | 107 | 68173 | 34.189 | ng | | 98 |
| 22) Acetophenone | 8.88 | 105 | 84218 | 30.791 | ng | # | 94 |
| 24) Nitrobenzene | 9.27 | 77 | 64341 | 29.673 | ng | | 97 |
| 25) Isophorone | 9.78 | 82 | 115248 | 29.926 | ng | | 99 |
| 26) 2-Nitrophenol | 9.98 | 139 | 34942 | 31.485 | ng | # | 89 |
| 27) 2,4-Dimethylphenol | 10.03 | 122 | 57591 | 36.209 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.26 | 93 | 66475 | 30.587 | ng | | 96 |
| 29) 2,4-Dichlorophenol | 10.52 | 162 | 66653 | 37.669 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.72 | 180 | 71583 | 33.492 | ng | | 96 |
| 31) Naphthalene | 10.92 | 128 | 186380 | 34.545 | ng | | 98 |
| 32) Benzoic acid | 10.19 | 122 | 306m | 10.403 | ng | | |
| 33) 4-Chloroaniline | 11.04 | 127 | 14198 | 6.061 | ng | # | 94 |
| 34) Hexachlorobutadiene | 11.17 | 225 | 48804 | 33.746 | ng | | 94 |
| 35) Caprolactam | 11.81 | 113 | 8768 | 11.974 | ng | # | 89 |
| 36) 4-Chloro-3-methylphenol | 12.15 | 107 | 67638 | 33.497 | ng | | 91 |
| 37) 2-Methylnaphthalene | 12.52 | 142 | 143822 | 37.366 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.74 | 142 | 135539 | 36.289 | ng | | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.88 | 216 | 90992 | 32.372 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.84 | 237 | 90849 | 58.830 | ng | | 97 |

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**Instrument :** BNA_G
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Quant Time: Jan 06 23:17:27 2019
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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 43) 2,4,6-Trichlorophenol | 13.12 | 196 | 62177 | 35.976 | ng | | 98 |
| 44) 2,4,5-Trichlorophenol | 13.20 | 196 | 66454 | 36.317 | ng | | 96 |
| 46) 1,1'-Biphenyl | 13.52 | 154 | 187959 | 29.816 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.57 | 162 | 153071 | 31.435 | ng | | 98 |
| 48) 2-Nitroaniline | 13.78 | 65 | 44209 | 28.503 | ng | | 89 |
| 49) Acenaphthylene | 14.41 | 152 | 246448 | 33.854 | ng | | 99 |
| 50) Dimethylphthalate | 14.14 | 163 | 205040 | 33.390 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.27 | 165 | 44809 | 32.199 | ng | | 91 |
| 52) Acenaphthene | 14.75 | 154 | 139577 | 32.065 | ng | | 97 |
| 53) 3-Nitroaniline | 14.61 | 138 | 35800 | 25.236 | ng | | 87 |
| 54) 2,4-Dinitrophenol | 14.82 | 184 | 28345 | 37.197 | ng | | 94 |
| 55) Dibenzofuran | 15.09 | 168 | 240111 | 32.179 | ng | | 95 |
| 56) 4-Nitrophenol | 14.92 | 139 | 59698 | 55.472 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 15.06 | 165 | 62445 | 31.859 | ng | | 93 |
| 58) Fluorene | 15.73 | 166 | 193311 | 34.968 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.31 | 232 | 60224 | 36.581 | ng | # | 95 |
| 60) Diethylphthalate | 15.49 | 149 | 199056 | 29.528 | ng | | 97 |
| 61) 4-Chlorophenyl-phenylether | 15.72 | 204 | 108703 | 31.515 | ng | | 95 |
| 62) 4-Nitroaniline | 15.77 | 138 | 41138 | 28.168 | ng | | 98 |
| 63) Azobenzene | 16.02 | 77 | 159860 | 28.386 | ng | | 94 |
| 65) 4,6-Dinitro-2-methylphenol | 15.82 | 198 | 34453 | 27.421 | ng | | 84 |
| 66) n-Nitrosodiphenylamine | 15.94 | 169 | 175426 | 33.897 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.61 | 248 | 69832 | 32.463 | ng | | 97 |
| 68) Hexachlorobenzene | 16.73 | 284 | 77864 | 34.919 | ng | | 95 |
| 69) Atrazine | 16.88 | 200 | 65551 | 34.131 | ng | | 95 |
| 70) Pentachlorophenol | 17.08 | 266 | 72984 | 55.335 | ng | | 99 |
| 71) Phenanthrene | 17.48 | 178 | 315725 | 34.567 | ng | | 99 |
| 72) Anthracene | 17.57 | 178 | 321442 | 35.649 | ng | | 99 |
| 73) Carbazole | 17.85 | 167 | 274168 | 30.745 | ng | | 97 |
| 74) Di-n-butylphthalate | 18.37 | 149 | 331878 | 32.434 | ng | | 99 |
| 75) Fluoranthene | 19.49 | 202 | 377977 | 33.446 | ng | | 97 |
| 77) Benzidine | 19.71 | 184 | 506m | 0.100 | ng | | |
| 78) Pyrene | 19.85 | 202 | 379879 | 33.711 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.72 | 149 | 143622 | 32.622 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.70 | 228 | 362947 | 34.919 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.61 | 252 | 77075 | 18.697 | ng | | 98 |
| 83) Chrysene | 21.77 | 228 | 334628 | 33.424 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.56 | 149 | 201410 | 32.256 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.79 | 149 | 338949 | 32.413 | ng | | 98 |
| 86) Indeno(1,2,3-cd)pyrene | 28.80 | 276 | 405771 | 34.474 | ng | # | 70 |
| 88) Benzo(b)fluoranthene | 23.96 | 252 | 359546 | 35.436 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 24.03 | 252 | 347490m | 34.392 | ng | | |
| 90) Benzo(a)pyrene | 24.86 | 252 | 344096 | 35.152 | ng | # | 97 |
| 91) Dibenzo(a,h)anthracene | 28.86 | 278 | 332332 | 34.098 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 29.99 | 276 | 331767 | 34.541 | ng | | 95 |

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

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