Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012319\
Data File : BG039260.D
Acq On : 23 Jan 2019 12:54
Operator : JU/SJ
Sample : IDOC-S-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jan 23 13:43:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 18 04:20:14 2019
Response via : Initial Calibration

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

**Manual Integrations APPROVED**
Sohil
1/24/2019 12:24:51 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.01 | 152 | 15444 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.82 | 136 | 61107 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.65 | 164 | 43409 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.40 | 188 | 116147 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.67 | 240 | 122727 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 24.93 | 264 | 141879 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.56 | 112 | 120463 | 147.96 | ng | | 0.00 |
| 7) Phenol-d6 | 7.17 | 99 | 172194 | 146.97 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.19 | 82 | 84017 | 75.23 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.14 | 330 | 97391 | 133.84 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 13.27 | 172 | 245663 | 77.45 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.00 | 244 | 509314 | 76.77 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.43 | 88 | 11985 | 37.592 | ng | | 86 |
| 3) Pyridine | 3.84 | 79 | 30725 | 35.467 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.76 | 42 | 17355 | 44.520 | ng | | 93 |
| 6) Aniline | 7.33 | 93 | 38294 | 27.215 | ng | | 97 |
| 8) 2-Chlorophenol | 7.57 | 128 | 39615 | 41.279 | ng | | 96 |
| 9) Benzaldehyde | 7.15 | 77 | 10878 | 16.099 | ng | | 87 |
| 10) Phenol | 7.20 | 94 | 51909 | 44.190 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.43 | 93 | 31843 | 35.468 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.89 | 146 | 41084 | 35.730 | ng | | 96 |
| 13) 1,4-Dichlorobenzene | 8.05 | 146 | 41526 | 35.659 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.36 | 146 | 40709 | 36.664 | ng | | 96 |
| 15) Benzyl Alcohol | 8.25 | 79 | 34713 | 39.342 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.53 | 45 | 62804 | 36.482 | ng | | 99 |
| 17) 2-Methylphenol | 8.45 | 107 | 34236 | 41.973 | ng | | 97 |
| 18) Hexachloroethane | 9.09 | 117 | 14372 | 36.327 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.81 | 70 | 26171 | 34.015 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.78 | 107 | 45721 | 39.316 | ng | | 98 |
| 22) Acetophenone | 8.84 | 105 | 55394 | 34.712 | ng | # | 96 |
| 24) Nitrobenzene | 9.23 | 77 | 40192 | 35.607 | ng | | 99 |
| 25) Isophorone | 9.74 | 82 | 76311 | 39.670 | ng | | 100 |
| 26) 2-Nitrophenol | 9.94 | 139 | 24398 | 39.961 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.99 | 122 | 42182 | 49.109 | ng | | 93 |
| 28) bis(2-Chloroethoxy)methane | 10.23 | 93 | 48431 | 41.891 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.47 | 162 | 49518 | 46.404 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 10.68 | 180 | 50018 | 39.011 | ng | | 95 |
| 31) Naphthalene | 10.87 | 128 | 124373 | 40.581 | ng | | 98 |
| 32) Benzoic acid | 10.16 | 122 | 12051 | 27.769 | ng | | 91 |
| 33) 4-Chloroaniline | 11.00 | 127 | 26503 | 19.326 | ng | | 99 |
| 34) Hexachlorobutadiene | 11.13 | 225 | 34126 | 38.682 | ng | | 98 |
| 35) Caprolactam | 11.78 | 113 | 16260m | 37.999 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.11 | 107 | 50413 | 44.171 | ng | | 90 |
| 37) 2-Methylnaphthalene | 12.48 | 142 | 93923 | 40.875 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.70 | 142 | 88559 | 40.154 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.84 | 216 | 60655 | 37.206 | ng | | 100 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.80 | 237 | 68283 | 74.772 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 13.09 | 196 | 40873 | 39.835 | ng | | 95 |
| 44) 2,4,5-Trichlorophenol | 13.16 | 196 | 45296 | 41.769 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.48 | 154 | 126844 | 36.877 | ng | | 97 |
| 47) 2-Chloronaphthalene | 13.53 | 162 | 103480 | 37.177 | ng | | 99 |
| 48) 2-Nitroaniline | 13.75 | 65 | 30681 | 39.345 | ng | | 98 |
| 49) Acenaphthylene | 14.37 | 152 | 170481 | 40.749 | ng | | 99 |
| 50) Dimethylphthalate | 14.10 | 163 | 140080 | 38.187 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.24 | 165 | 31094 | 37.914 | ng | | 96 |
| 52) Acenaphthene | 14.71 | 154 | 97308 | 38.712 | ng | | 96 |
| 53) 3-Nitroaniline | 14.57 | 138 | 20561 | 24.714 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 14.79 | 184 | 29770 | 62.013 | ng | | 98 |
| 55) Dibenzofuran | 15.05 | 168 | 170534 | 38.413 | ng | | 97 |
| 56) 4-Nitrophenol | 14.88 | 139 | 46746 | 78.089 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 15.03 | 165 | 45452 | 38.629 | ng | | 97 |
| 58) Fluorene | 15.70 | 166 | 139734 | 41.816 | ng | | 96 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.28 | 232 | 44392m | 43.365 | ng | | |
| 60) Diethylphthalate | 15.45 | 149 | 145349 | 38.458 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.68 | 204 | 81071 | 38.509 | ng | | 99 |
| 62) 4-Nitroaniline | 15.74 | 138 | 33418 | 38.558 | ng | | 94 |
| 63) Azobenzene | 15.98 | 77 | 113216 | 38.306 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.79 | 198 | 28263 | 32.845 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.90 | 169 | 125437 | 36.431 | ng | | 97 |
| 67) 4-Bromophenyl-phenylether | 16.58 | 248 | 54461 | 36.477 | ng | | 95 |
| 68) Hexachlorobenzene | 16.69 | 284 | 57845 | 35.506 | ng | | 98 |
| 69) Atrazine | 16.85 | 200 | 53368 | 36.486 | ng | | 97 |
| 70) Pentachlorophenol | 17.05 | 266 | 52795 | 54.447 | ng | | 94 |
| 71) Phenanthrene | 17.44 | 178 | 243921 | 39.732 | ng | | 99 |
| 72) Anthracene | 17.53 | 178 | 254682 | 41.957 | ng | | 99 |
| 73) Carbazole | 17.81 | 167 | 216334 | 36.103 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.34 | 149 | 260548 | 39.085 | ng | | 98 |
| 75) Fluoranthene | 19.45 | 202 | 312020 | 40.998 | ng | | 99 |
| 77) Benzidine | 19.64 | 184 | 100863 | 26.870 | ng | | 98 |
| 78) Pyrene | 19.81 | 202 | 305800 | 39.099 | ng | | 98 |
| 80) Butylbenzylphthalate | 20.68 | 149 | 118108 | 39.704 | ng | | 95 |
| 81) Benzo(a)anthracene | 21.65 | 228 | 304392 | 40.743 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.57 | 252 | 72154 | 23.704 | ng | | 97 |
| 83) Chrysene | 21.72 | 228 | 286754 | 40.356 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.52 | 149 | 172433 | 41.747 | ng | | 96 |
| 85) Di-n-octyl phthalate | 22.73 | 149 | 274756 | 39.340 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.67 | 276 | 356664 | 42.008 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 23.89 | 252 | 298933 | 38.211 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.96 | 252 | 292089 | 37.762 | ng | | 97 |
| 90) Benzo(a)pyrene | 24.78 | 252 | 342092 | 45.240 | ng | # | 97 |
| 91) Dibenzo(a,h)anthracene | 28.72 | 278 | 296171 | 39.377 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.85 | 276 | 310049 | 41.639 | ng | | 96 |

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

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