Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG032919\
Data File : BG040230.D
Acq On : 29 Mar 2019 17:55
Operator : JU/SJ
Sample : PB118394BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB118394BS

**Manual Integrations APPROVED**
Sohil
4/1/2019 10:06:01 AM

Quant Time: Mar 30 04:38:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG032719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 28 05:47:00 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.06 | 152 | 54119 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.87 | 136 | 240814 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 14.69 | 164 | 159004 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 17.44 | 188 | 408455 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.71 | 240 | 392861 | 20.00 | ng | | -0.02 |
| 87) Perylene-d12 | 25.00 | 264 | 359438 | 20.00 | ng | | -0.03 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 460013 | 141.31 | ng | | -0.01 |
| 7) Phenol-d6 | 7.21 | 99 | 637753 | 141.75 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 9.23 | 82 | 345856 | 76.34 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 16.18 | 330 | 252120 | 146.72 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 13.31 | 172 | 811696 | 75.64 | ng | | -0.01 |
| 79) Terphenyl-d14 | 20.03 | 244 | 1314671 | 75.28 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.51 | 88 | 57304 | 37.435 | ng | | 98 |
| 3) Pyridine | 3.90 | 79 | 141826 | 34.411 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.83 | 42 | 67804 | 35.565 | ng | # | 88 |
| 6) Aniline | 7.38 | 93 | 178503 | 30.538 | ng | | 96 |
| 8) 2-Chlorophenol | 7.62 | 128 | 162329 | 42.597 | ng | | 97 |
| 9) Benzaldehyde | 7.20 | 77 | 46096 | 14.937 | ng | | 96 |
| 10) Phenol | 7.24 | 94 | 213504 | 43.720 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.48 | 93 | 153391 | 39.217 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.95 | 146 | 155072 | 37.434 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 8.09 | 146 | 162628 | 39.416 | ng | | 97 |
| 14) 1,2-Dichlorobenzene | 8.41 | 146 | 151961 | 38.514 | ng | | 97 |
| 15) Benzyl Alcohol | 8.30 | 79 | 147339 | 40.664 | ng | | 95 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58 | 45 | 282448 | 37.627 | ng | | 99 |
| 17) 2-Methylphenol | 8.49 | 107 | 150791 | 44.623 | ng | | 98 |
| 18) Hexachloroethane | 9.13 | 117 | 58249 | 37.115 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.86 | 70 | 122963 | 38.119 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.82 | 107 | 206653 | 45.143 | ng | | 100 |
| 22) Acetophenone | 8.89 | 105 | 239815 | 39.922 | ng | # | 98 |
| 24) Nitrobenzene | 9.28 | 77 | 180433 | 38.459 | ng | | 97 |
| 25) Isophorone | 9.79 | 82 | 363951 | 39.043 | ng | | 99 |
| 26) 2-Nitrophenol | 9.99 | 139 | 90255 | 40.600 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 10.03 | 122 | 170430 | 48.265 | ng | | 95 |
| 28) bis(2-Chloroethoxy)methane | 10.27 | 93 | 219485 | 39.797 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.51 | 162 | 168901 | 44.067 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.73 | 180 | 166644 | 39.596 | ng | | 99 |
| 31) Naphthalene | 10.93 | 128 | 498909 | 40.419 | ng | | 98 |
| 32) Benzoic acid | 10.14 | 122 | 35591m | 16.682 | ng | | |
| 33) 4-Chloroaniline | 11.04 | 127 | 149081 | 28.315 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.18 | 225 | 101023 | 37.533 | ng | | 96 |
| 35) Caprolactam | 11.85 | 113 | 69704 | 45.827 | ng | # | 84 |
| 36) 4-Chloro-3-methylphenol | 12.15 | 107 | 191320 | 43.420 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.52 | 142 | 383999 | 42.063 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.74 | 142 | 364896 | 41.220 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.88 | 216 | 190610 | 37.717 | ng | | 98 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.85 | 237 | 223085 | 80.395 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 13.12 | 196 | 142558 | 43.752 | ng | | 95 |
| 44) 2,4,5-Trichlorophenol | 13.20 | 196 | 149246 | 42.024 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.52 | 154 | 495280 | 39.422 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.57 | 162 | 383295 | 39.774 | ng | | 100 |
| 48) 2-Nitroaniline | 13.78 | 65 | 131966 | 40.597 | ng | | 97 |
| 49) Acenaphthylene | 14.42 | 152 | 644413 | 39.440 | ng | | 100 |
| 50) Dimethylphthalate | 14.14 | 163 | 511849 | 41.131 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.28 | 165 | 118064 | 42.253 | ng | | 95 |
| 52) Acenaphthene | 14.76 | 154 | 380842 | 40.677 | ng | | 96 |
| 53) 3-Nitroaniline | 14.60 | 138 | 89965 | 30.417 | ng | | 99 |
| 54) 2,4-Dinitrophenol | 14.81 | 184 | 125162 | 84.227 | ng | | 96 |
| 55) Dibenzofuran | 15.09 | 168 | 624362 | 41.501 | ng | | 99 |
| 56) 4-Nitrophenol | 14.91 | 139 | 211043 | 88.408 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 15.06 | 165 | 167514 | 43.145 | ng | # | 95 |
| 58) Fluorene | 15.74 | 166 | 491145 | 41.523 | ng | | 97 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.31 | 232 | 148731 | 46.150 | ng | | 98 |
| 60) Diethylphthalate | 15.49 | 149 | 548883 | 43.103 | ng | | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.72 | 204 | 267004 | 42.231 | ng | | 97 |
| 62) 4-Nitroaniline | 15.77 | 138 | 134612 | 42.409 | ng | | 98 |
| 63) Azobenzene | 16.01 | 77 | 499733 | 41.604 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.81 | 198 | 97716 | 42.582 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.94 | 169 | 472730 | 39.551 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.62 | 248 | 177310 | 38.575 | ng | | 99 |
| 68) Hexachlorobenzene | 16.73 | 284 | 182982 | 39.593 | ng | | 96 |
| 69) Atrazine | 16.88 | 200 | 169152 | 38.044 | ng | | 98 |
| 70) Pentachlorophenol | 17.08 | 266 | 213423 | 79.876 | ng | | 97 |
| 71) Phenanthrene | 17.48 | 178 | 857633 | 39.947 | ng | | 100 |
| 72) Anthracene | 17.57 | 178 | 862473 | 40.136 | ng | | 99 |
| 73) Carbazole | 17.84 | 167 | 814462 | 40.049 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.38 | 149 | 945605 | 39.227 | ng | | 100 |
| 75) Fluoranthene | 19.49 | 202 | 1031428 | 40.572 | ng | | 100 |
| 77) Benzidine | 19.67 | 184 | 375338 | 26.457 | ng | | 97 |
| 78) Pyrene | 19.85 | 202 | 1019810 | 39.474 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.71 | 149 | 443884 | 40.152 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.69 | 228 | 946143 | 39.100 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.61 | 252 | 248312 | 26.976 | ng | | 98 |
| 83) Chrysene | 21.76 | 228 | 917113 | 39.436 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.56 | 149 | 627171 | 39.687 | ng | | 100 |
| 85) Di-n-octyl phthalate | 22.78 | 149 | 1070698 | 39.767 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.78 | 276 | 1125408 | 39.567 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 23.95 | 252 | 985968 | 44.804 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 24.02 | 252 | 952230 | 47.054 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.85 | 252 | 966046 | 46.787 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.83 | 278 | 921622 | 48.060 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 29.97 | 276 | 944488 | 47.925 | ng | | 100 |

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

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