Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121418\
Data File : BG038580.D
Acq On : 14 Dec 2018 23:04
Operator : JU/SJ
Sample : PB115428BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** PB115428BS

**Manual Integrations APPROVED**
Sohil
12/17/2018 4:11:52 PM

Quant Time: Dec 15 00:03:27 2018
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 | 8.06 | 152 | 23415 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.88 | 136 | 93508 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.70 | 164 | 60008 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.44 | 188 | 153680 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.72 | 240 | 162167 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.02 | 264 | 175577 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 175688 | 133.08 | ng | | 0.00 |
| 7) Phenol-d6 | 7.21 | 99 | 228459 | 126.06 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.24 | 82 | 115667 | 63.19 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.19 | 330 | 103129 | 124.70 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.32 | 172 | 266195 | 60.86 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.04 | 244 | 552430 | 74.14 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.49 | 88 | 20617 | 33.555 | ng | # | 89 |
| 3) Pyridine | 3.89 | 79 | 57939 | 34.250 | ng | | 90 |
| 4) n-Nitrosodimethylamine | 3.82 | 42 | 37436 | 45.165 | ng | # | 88 |
| 6) Aniline | 7.39 | 93 | 79158 | 34.215 | ng | | 98 |
| 8) 2-Chlorophenol | 7.62 | 128 | 66280 | 43.385 | ng | | 98 |
| 9) Benzaldehyde | 7.20 | 77 | 26706 | 22.715 | ng | | 99 |
| 10) Phenol | 7.24 | 94 | 82254 | 42.720 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.48 | 93 | 57327 | 37.397 | ng | | 100 |
| 12) 1,3-Dichlorobenzene | 7.94 | 146 | 67147 | 37.173 | ng | | 94 |
| 13) 1,4-Dichlorobenzene | 8.09 | 146 | 69756 | 37.706 | ng | | 96 |
| 14) 1,2-Dichlorobenzene | 8.42 | 146 | 67028 | 38.432 | ng | | 97 |
| 15) Benzyl Alcohol | 8.30 | 79 | 57973 | 40.982 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58 | 45 | 131818 | 37.538 | ng | | 99 |
| 17) 2-Methylphenol | 8.50 | 107 | 56685 | 43.942 | ng | | 97 |
| 18) Hexachloroethane | 9.14 | 117 | 25030 | 37.026 | ng | | 97 |
| 19) n-Nitroso-di-n-propylamine | 8.86 | 70 | 46947 | 36.883 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.83 | 107 | 75209 | 42.216 | ng | | 95 |
| 22) Acetophenone | 8.89 | 105 | 94266 | 40.360 | ng | # | 97 |
| 24) Nitrobenzene | 9.28 | 77 | 75875 | 40.977 | ng | | 98 |
| 25) Isophorone | 9.79 | 82 | 134584 | 40.924 | ng | | 99 |
| 26) 2-Nitrophenol | 9.99 | 139 | 36337 | 38.342 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 10.03 | 122 | 63547 | 46.787 | ng | | 99 |
| 28) bis(2-Chloroethoxy)methane | 10.28 | 93 | 77782 | 41.911 | ng | | 95 |
| 29) 2,4-Dichlorophenol | 10.52 | 162 | 66461 | 43.985 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.74 | 180 | 71592 | 39.225 | ng | | 96 |
| 31) Naphthalene | 10.93 | 128 | 197981 | 42.972 | ng | | 98 |
| 32) Benzoic acid | 10.18 | 122 | 28811m | 36.488 | ng | | |
| 33) 4-Chloroaniline | 11.05 | 127 | 41934 | 20.964 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.19 | 225 | 46521 | 37.669 | ng | | 95 |
| 35) Caprolactam | 11.82 | 113 | 22915m | 36.645 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.15 | 107 | 70163 | 40.691 | ng | | 94 |
| 37) 2-Methylnaphthalene | 12.53 | 142 | 145971 | 44.411 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.75 | 142 | 137478 | 43.103 | ng | | 98 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.89 | 216 | 84387 | 37.621 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.86 | 237 | 113978 | 92.489 | ng | | 93 |
| 43) 2,4,6-Trichlorophenol | 13.13 | 196 | 58516 | 42.428 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 13.20 | 196 | 62639 | 42.896 | ng | | 94 |
| 46) 1,1'-Biphenyl | 13.53 | 154 | 186164 | 37.006 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.58 | 162 | 151521 | 38.993 | ng | | 95 |
| 48) 2-Nitroaniline | 13.79 | 65 | 50696 | 40.958 | ng | | 95 |
| 49) Acenaphthylene | 14.42 | 152 | 245557 | 42.270 | ng | | 99 |
| 50) Dimethylphthalate | 14.14 | 163 | 198138 | 40.433 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 14.28 | 165 | 44418 | 39.997 | ng | | 97 |
| 52) Acenaphthene | 14.76 | 154 | 140116 | 40.336 | ng | | 98 |
| 53) 3-Nitroaniline | 14.61 | 138 | 31815 | 28.104 | ng | | 89 |
| 54) 2,4-Dinitrophenol | 14.82 | 184 | 49483 | 75.218 | ng | | 98 |
| 55) Dibenzofuran | 15.10 | 168 | 235021 | 39.470 | ng | | 96 |
| 56) 4-Nitrophenol | 14.91 | 139 | 73032 | 85.039 | ng | | 94 |
| 57) 2,4-Dinitrotoluene | 15.07 | 165 | 64592 | 41.296 | ng | | 96 |
| 58) Fluorene | 15.74 | 166 | 188208 | 42.662 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.31 | 232 | 57189 | 43.531 | ng | | 98 |
| 60) Diethylphthalate | 15.50 | 149 | 206145 | 38.320 | ng | | 98 |
| 61) 4-Chlorophenyl-phenylether | 15.73 | 204 | 107810 | 39.168 | ng | | 98 |
| 62) 4-Nitroaniline | 15.78 | 138 | 48930 | 41.983 | ng | | 97 |
| 63) Azobenzene | 16.02 | 77 | 180845 | 40.241 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylphenol | 15.82 | 198 | 40019 | 36.504 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.95 | 169 | 173762 | 38.482 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 16.62 | 248 | 69648 | 37.109 | ng | | 96 |
| 68) Hexachlorobenzene | 16.74 | 284 | 73153 | 37.599 | ng | | 99 |
| 69) Atrazine | 16.89 | 200 | 74101 | 44.220 | ng | | 96 |
| 70) Pentachlorophenol | 17.09 | 266 | 82224 | 71.450 | ng | | 98 |
| 71) Phenanthrene | 17.49 | 178 | 333917 | 41.900 | ng | | 99 |
| 72) Anthracene | 17.58 | 178 | 342643 | 43.552 | ng | | 99 |
| 73) Carbazole | 17.85 | 167 | 315963 | 40.609 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.38 | 149 | 384596 | 43.078 | ng | | 99 |
| 75) Fluoranthene | 19.49 | 202 | 438175 | 44.439 | ng | | 98 |
| 77) Benzidine | 19.68 | 184 | 217310 | 45.311 | ng | | 99 |
| 78) Pyrene | 19.86 | 202 | 432078 | 40.331 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.72 | 149 | 172935 | 41.317 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.70 | 228 | 426749 | 43.186 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.62 | 252 | 110189 | 28.116 | ng | | 98 |
| 83) Chrysene | 21.77 | 228 | 390523 | 41.030 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.57 | 149 | 244747 | 41.229 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.79 | 149 | 417908 | 42.036 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.80 | 276 | 483169 | 43.179 | ng | # | 86 |
| 88) Benzo(b)fluoranthene | 23.96 | 252 | 420307 | 43.601 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.03 | 252 | 409721 | 42.682 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.86 | 252 | 408301 | 43.903 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.86 | 278 | 401786 | 43.390 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 30.00 | 276 | 395522 | 43.342 | ng | | 98 |

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

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