Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111918\
Data File : BG038078.D
Acq On : 20 Nov 2018 1:54
Operator : JU/SJ
Sample : PB114916BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PB114916BS

**Manual Integrations APPROVED**
Sohil
11/20/2018 9:41:50 AM

Quant Time: Nov 20 03:05:56 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG111318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 16:39:28 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.09 | 152 | 42401 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.91 | 136 | 179591 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.72 | 164 | 111515 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.47 | 188 | 255867 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.75 | 240 | 235623 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 25.07 | 264 | 250937 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.63 | 112 | 349556 | 142.34 | ng | | 0.00 |
| 7) Phenol-d6 | 7.24 | 99 | 482334 | 137.59 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.26 | 82 | 293660 | 87.53 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.21 | 330 | 164894 | 129.65 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.34 | 172 | 659263 | 86.13 | ng | | 0.00 |
| 79) Terphenyl-d14 | 20.07 | 244 | 984474 | 98.31 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 38369 | 33.077 | ng | | 96 |
| 3) Pyridine | 3.92 | 79 | 114075 | 34.475 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.84 | 42 | 58590 | 48.806 | ng | | 97 |
| 6) Aniline | 7.41 | 93 | 70707 | 15.628 | ng | | 97 |
| 8) 2-Chlorophenol | 7.65 | 128 | 134427 | 47.175 | ng | | 97 |
| 9) Benzaldehyde | 7.22 | 77 | 69274 | 27.326 | ng | | 97 |
| 10) Phenol | 7.27 | 94 | 175323 | 47.217 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.51 | 93 | 125218 | 41.308 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.97 | 146 | 134533 | 40.982 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.12 | 146 | 136862 | 41.272 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.44 | 146 | 129952 | 41.046 | ng | | 98 |
| 15) Benzyl Alcohol | 8.33 | 79 | 117933 | 46.493 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.61 | 45 | 244914 | 43.510 | ng | | 98 |
| 17) 2-Methylphenol | 8.52 | 107 | 119397 | 47.562 | ng | | 98 |
| 18) Hexachloroethane | 9.17 | 117 | 49176 | 40.747 | ng | | 93 |
| 19) n-Nitroso-di-n-propylamine | 8.89 | 70 | 102602 | 40.450 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.85 | 107 | 165176 | 46.415 | ng | | 98 |
| 22) Acetophenone | 8.92 | 105 | 191630 | 42.886 | ng | # | 98 |
| 24) Nitrobenzene | 9.30 | 77 | 152958 | 44.569 | ng | | 99 |
| 25) Isophorone | 9.82 | 82 | 286545 | 47.453 | ng | | 97 |
| 26) 2-Nitrophenol | 10.02 | 139 | 74755 | 43.631 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 10.06 | 122 | 137651 | 53.323 | ng | | 96 |
| 28) bis(2-Chloroethoxy)methane | 10.30 | 93 | 174509 | 45.194 | ng | | 94 |
| 29) 2,4-Dichlorophenol | 10.54 | 162 | 139715 | 48.117 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.76 | 180 | 138195 | 42.472 | ng | | 95 |
| 31) Naphthalene | 10.96 | 128 | 407452 | 46.127 | ng | | 100 |
| 32) Benzoic acid | 10.19 | 122 | 70438 | 43.822 | ng | | 99 |
| 33) 4-Chloroaniline | 11.07 | 127 | 42321 | 10.300 | ng | | 95 |
| 34) Hexachlorobutadiene | 11.22 | 225 | 81746 | 40.821 | ng | | 98 |
| 35) Caprolactam | 11.85 | 113 | 47392m | 40.777 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.17 | 107 | 147307 | 46.436 | ng | | 96 |
| 37) 2-Methylnaphthalene | 12.55 | 142 | 302603 | 47.692 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.78 | 142 | 285641 | 46.769 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.92 | 216 | 153770 | 41.266 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.88 | 237 | 200183 | 100.324 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 13.15 | 196 | 112777 | 44.414 | ng | | 96 |
| 44) 2,4,5-Trichlorophenol | 13.23 | 196 | 123124 | 46.083 | ng | | 97 |
| 46) 1,1'-Biphenyl | 13.56 | 154 | 381663 | 40.739 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.61 | 162 | 303434 | 42.445 | ng | | 99 |
| 48) 2-Nitroaniline | 13.81 | 65 | 104531 | 46.459 | ng | | 99 |
| 49) Acenaphthylene | 14.45 | 152 | 507673 | 47.223 | ng | | 99 |
| 50) Dimethylphthalate | 14.17 | 163 | 391819 | 44.320 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 14.30 | 165 | 91092 | 45.526 | ng | | 94 |
| 52) Acenaphthene | 14.79 | 154 | 287793 | 44.467 | ng | | 99 |
| 53) 3-Nitroaniline | 14.63 | 138 | 32942 | 14.920 | ng | # | 94 |
| 54) 2,4-Dinitrophenol | 14.84 | 184 | 92912 | 85.338 | ng | | 92 |
| 55) Dibenzofuran | 15.12 | 168 | 465592 | 43.506 | ng | | 98 |
| 56) 4-Nitrophenol | 14.93 | 139 | 148367 | 87.129 | ng | | 95 |
| 57) 2,4-Dinitrotoluene | 15.09 | 165 | 127701 | 46.908 | ng | | 96 |
| 58) Fluorene | 15.77 | 166 | 375886 | 47.075 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.34 | 232 | 106997 | 47.859 | ng | | 99 |
| 60) Diethylphthalate | 15.53 | 149 | 406923 | 43.335 | ng | | 100 |
| 61) 4-Chlorophenyl-phenylether | 15.76 | 204 | 195381 | 41.818 | ng | | 99 |
| 62) 4-Nitroaniline | 15.80 | 138 | 96127 | 43.827 | ng | | 93 |
| 63) Azobenzene | 16.05 | 77 | 377793 | 44.998 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.84 | 198 | 68563 | 42.366 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.97 | 169 | 341209 | 44.080 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.65 | 248 | 122004 | 43.443 | ng | | 96 |
| 68) Hexachlorobenzene | 16.76 | 284 | 125640 | 43.342 | ng | | 98 |
| 69) Atrazine | 16.91 | 200 | 127726 | 44.761 | ng | | 99 |
| 70) Pentachlorophenol | 17.11 | 266 | 148690 | 75.525 | ng | | 96 |
| 71) Phenanthrene | 17.51 | 178 | 628607 | 47.985 | ng | | 98 |
| 72) Anthracene | 17.61 | 178 | 634706 | 49.152 | ng | | 99 |
| 73) Carbazole | 17.88 | 167 | 579134 | 44.701 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.41 | 149 | 690077 | 47.450 | ng | | 99 |
| 75) Fluoranthene | 19.52 | 202 | 736763 | 49.294 | ng | | 99 |
| 77) Benzidine | 19.70 | 184 | 184770 | 22.348 | ng | | 99 |
| 78) Pyrene | 19.88 | 202 | 744991 | 48.360 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.75 | 149 | 323063 | 47.954 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.73 | 228 | 696283 | 48.900 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.65 | 252 | 124392 | 22.427 | ng | | 97 |
| 83) Chrysene | 21.80 | 228 | 652030 | 47.860 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phthalate | 21.60 | 149 | 451946 | 47.041 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.84 | 149 | 769120 | 49.483 | ng | | 100 |
| 86) Indeno(1,2,3-cd)pyrene | 28.89 | 276 | 773921 | 51.148 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 24.02 | 252 | 679441 | 49.202 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 24.08 | 252 | 676360 | 49.637 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.92 | 252 | 673107 | 51.004 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 28.96 | 278 | 634869 | 49.998 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 30.09 | 276 | 618157 | 48.960 | ng | | 99 |

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

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