Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG072018\
Data File : BG035786.D
Acq On : 20 Jul 2018 16:12
Operator : JU/SJ
Sample : PB111042BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB111042BSD

Manual Integrations APPROVED
Sohil
7/23/2018 2:18:57 PM

Quant Time: Jul 20 16:59:12 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 18 17:45:13 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.03 | 152 | 49172 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.83 | 136 | 178643 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 14.65 | 164 | 125050 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 17.39 | 188 | 338153 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 21.66 | 240 | 361578 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 24.86 | 264 | 350567 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.61 | 112 | 264084 | 89.16 | ng | | 0.00 |
| 7) Phenol-d6 | 7.20 | 99 | 378677 | 85.69 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.19 | 82 | 358950 | 83.94 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.14 | 330 | 155959 | 94.62 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 13.28 | 172 | 827258 | 88.63 | ng | | 0.00 |
| 78) Terphenyl-d14 | 20.00 | 244 | 1476790 | 90.03 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.52 | 88 | 45576 | 30.234 | ng | # | 74 |
| 3) Pyridine | 3.91 | 79 | 132213 | 33.597 | ng | # | 72 |
| 4) n-Nitrosodimethylamine | 3.83 | 42 | 53419 | 31.614 | ng | # | 74 |
| 6) Aniline | 7.36 | 93 | 158552 | 27.682 | ng | | 98 |
| 8) 2-Chlorophenol | 7.60 | 128 | 126292 | 41.926 | ng | | 96 |
| 9) Benzaldehyde | 7.17 | 77 | 76307 | 28.144 | ng | | 97 |
| 10) Phenol | 7.23 | 94 | 186971 | 41.880 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 7.45 | 93 | 127265 | 36.400 | ng | | 92 |
| 12) 1,3-Dichlorobenzene | 7.92 | 146 | 142334 | 39.129 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 8.06 | 146 | 139525 | 37.751 | ng | | 98 |
| 14) 1,2-Dichlorobenzene | 8.38 | 146 | 135713 | 38.223 | ng | | 93 |
| 15) Benzyl Alcohol | 8.27 | 79 | 144029 | 35.893 | ng | | 88 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.55 | 45 | 143906 | 49.095 | ng | | 76 |
| 17) 2-Methylphenol | 8.47 | 107 | 123723 | 40.761 | ng | # | 91 |
| 18) Hexachloroethane | 9.11 | 117 | 55272 | 39.112 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 8.83 | 70 | 117535 | 31.586 | ng | # | 83 |
| 20) 3+4-Methylphenols | 8.80 | 107 | 168323 | 39.974 | ng | | 93 |
| 22) Acetophenone | 8.85 | 105 | 213918 | 38.507 | ng | # | 89 |
| 24) Nitrobenzene | 9.23 | 77 | 173736 | 40.397 | ng | | 90 |
| 25) Isophorone | 9.75 | 82 | 326130 | 41.083 | ng | | 100 |
| 26) 2-Nitrophenol | 9.94 | 139 | 73788 | 48.310 | ng | # | 92 |
| 27) 2,4-Dimethylphenol | 10.00 | 122 | 128709 | 49.782 | ng | | 88 |
| 28) bis(2-Chloroethoxy)methane | 10.23 | 93 | 174157 | 39.814 | ng | | 95 |
| 29) 2,4-Dichlorophenol | 10.48 | 162 | 142071 | 48.138 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 10.69 | 180 | 155293 | 42.911 | ng | | 99 |
| 31) Naphthalene | 10.88 | 128 | 381386 | 40.984 | ng | | 98 |
| 32) Benzoic acid | 10.17 | 122 | 61712 | 35.456 | ng | | 98 |
| 33) 4-Chloroaniline | 11.00 | 127 | 80889 | 19.944 | ng | | 98 |
| 34) Hexachlorobutadiene | 11.16 | 225 | 121541 | 43.069 | ng | | 97 |
| 35) Caprolactam | 11.77 | 113 | 48080m | 37.962 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.11 | 107 | 170487 | 43.096 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.48 | 142 | 293007 | 42.263 | ng | | 93 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.85 | 216 | 203921 | 43.205 | ng | | 99 |
| 40) Hexachlorocyclopentadiene | 12.83 | 237 | 275816 | 111.428 | ng | | 93 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.09 | 196 | 130543 | 47.295 | ng | | 100 |
| 43) 2,4,5-Trichlorophenol | 13.17 | 196 | 143909 | 46.606 | ng | | 95 |
| 45) 1,1'-Biphenyl | 13.49 | 154 | 409375 | 42.225 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.53 | 162 | 324787 | 43.068 | ng | | 99 |
| 47) 2-Nitroaniline | 13.73 | 65 | 110464 | 41.433 | ng | | 91 |
| 48) Acenaphthylene | 14.38 | 152 | 526829 | 41.705 | ng | | 99 |
| 49) Dimethylphthalate | 14.11 | 163 | 443072 | 40.440 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 14.23 | 165 | 102482 | 45.933 | ng | | 91 |
| 51) Acenaphthene | 14.72 | 154 | 309280 | 39.303 | ng | | 99 |
| 52) 3-Nitroaniline | 14.56 | 138 | 58548 | 25.675 | ng | # | 94 |
| 53) 2,4-Dinitrophenol | 14.77 | 184 | 79701 | 70.334 | ng | # | 64 |
| 54) Dibenzofuran | 15.05 | 168 | 519112 | 41.479 | ng | | 94 |
| 55) 4-Nitrophenol | 14.88 | 139 | 146457 | 90.184 | ng | # | 88 |
| 56) 2,4-Dinitrotoluene | 15.02 | 165 | 148236 | 46.312 | ng | # | 82 |
| 57) Fluorene | 15.70 | 166 | 436058 | 41.572 | ng | | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.28 | 232 | 138846 | 46.899 | ng | | 92 |
| 59) Diethylphthalate | 15.47 | 149 | 446507 | 39.634 | ng | | 96 |
| 60) 4-Chlorophenyl-phenylether | 15.69 | 204 | 247040 | 40.071 | ng | | 96 |
| 61) 4-Nitroaniline | 15.73 | 138 | 97130 | 40.720 | ng | # | 86 |
| 62) Azobenzene | 15.98 | 77 | 443304 | 39.892 | ng | | 96 |
| 64) 4,6-Dinitro-2-methylphenol | 15.78 | 198 | 67406 | 35.809 | ng | | 86 |
| 65) n-Nitrosodiphenylamine | 15.90 | 169 | 391574 | 40.683 | ng | | 97 |
| 66) 4-Bromophenyl-phenylether | 16.58 | 248 | 170408 | 43.437 | ng | | 96 |
| 67) Hexachlorobenzene | 16.70 | 284 | 174651 | 43.229 | ng | | 94 |
| 68) Atrazine | 16.85 | 200 | 181706 | 45.851 | ng | | 97 |
| 69) Pentachlorophenol | 17.05 | 266 | 144285 | 58.633 | ng | | 99 |
| 70) Phenanthrene | 17.44 | 178 | 710071 | 42.083 | ng | | 98 |
| 71) Anthracene | 17.53 | 178 | 718018 | 42.736 | ng | | 98 |
| 72) Carbazole | 17.80 | 167 | 661324 | 41.447 | ng | | 98 |
| 73) Di-n-butylphthalate | 18.35 | 149 | 765768 | 40.613 | ng | # | 98 |
| 74) Fluoranthene | 19.44 | 202 | 954192 | 41.983 | ng | | 97 |
| 76) Benzidine | 19.63 | 184 | 374264 | 39.371 | ng | | 98 |
| 77) Pyrene | 19.81 | 202 | 944080 | 41.293 | ng | | 98 |
| 79) Butylbenzylphthalate | 20.69 | 149 | 357010 | 43.666 | ng | # | 95 |
| 80) Benzo(a)anthracene | 21.64 | 228 | 954276 | 42.351 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.56 | 252 | 228058 | 29.027 | ng | # | 98 |
| 82) Chrysene | 21.71 | 228 | 901873 | 43.192 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.54 | 149 | 496332 | 44.654 | ng | | 99 |
| 84) Di-n-octyl phthalate | 22.74 | 149 | 851407 | 45.748 | ng | # | 93 |
| 85) Indeno(1,2,3-cd)pyrene | 28.51 | 276 | 1025336 | 44.353 | ng | # | 86 |
| 87) Benzo(b)fluoranthene | 23.84 | 252 | 931222 | 43.704 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 23.92 | 252 | 891178 | 42.781 | ng | # | 97 |
| 89) Benzo(a)pyrene | 24.71 | 252 | 889965 | 44.896 | ng | # | 98 |
| 90) Dibenzo(a,h)anthracene | 28.57 | 278 | 861033 | 44.244 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 29.65 | 276 | 855776 | 44.938 | ng | # | 94 |

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

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