Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061820\
Data File : BG045800.D
Acq On : 18 Jun 2020 19:41
Operator : CG/JU
Sample : PB129622BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB129622BS

Manual Integrations APPROVED
mohammad
6/19/2020 12:57:35 PM

Quant Time: Jun 19 03:38:29 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 15 18:34:19 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.92 | 152 | 52066 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.73 | 136 | 205185 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.57 | 164 | 145278 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.32 | 188 | 343512 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.58 | 240 | 310226 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 24.71 | 264 | 328840 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.53 | 112 | 445788 | 144.63 | ng | | 0.00 |
| 7) Phenol-d6 | 7.16 | 99 | 630658 | 134.52 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 9.08 | 82 | 409820 | 91.24 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.07 | 330 | 302577 | 137.95 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.19 | 172 | 915553 | 92.61 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.94 | 244 | 1496194 | 97.74 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.37 | 88 | 56319 | 39.895 | ng | | 99 |
| 3) Pyridine | 3.77 | 79 | 164064 | 39.219 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.68 | 42 | 70547 | 50.241 | ng | # | 99 |
| 6) Aniline | 7.25 | 93 | 200640 | 36.346 | ng | | 98 |
| 8) 2-Chlorophenol | 7.51 | 128 | 173533 | 52.599 | ng | | 95 |
| 9) Benzaldehyde | 7.06 | 77 | 102509 | 36.403 | ng | | 97 |
| 10) Phenol | 7.19 | 94 | 233760 | 51.459 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.34 | 93 | 157981 | 45.786 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.81 | 146 | 185387 | 47.153 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.96 | 146 | 190649 | 48.547 | ng | | 95 |
| 14) 1,2-Dichlorobenzene | 8.27 | 146 | 176507 | 46.948 | ng | | 98 |
| 15) Benzyl Alcohol | 8.18 | 79 | 178451 | 49.186 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.45 | 45 | 147906 | 45.483 | ng | | 82 |
| 17) 2-Methylphenol | 8.42 | 107 | 158025 | 46.743 | ng | | 98 |
| 18) Hexachloroethane | 9.00 | 117 | 73298 | 49.143 | ng | | 98 |
| 19) n-Nitroso-di-n-propylamine | 8.73 | 70 | 147068 | 47.714 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.75 | 107 | 206617 | 46.471 | ng | # | 68 |
| 22) Acetophenone | 8.75 | 105 | 262616 | 46.632 | ng | # | 97 |
| 24) Nitrobenzene | 9.12 | 77 | 222326 | 46.425 | ng | | 99 |
| 25) Isophorone | 9.65 | 82 | 397935 | 45.766 | ng | | 98 |
| 26) 2-Nitrophenol | 9.84 | 139 | 96627 | 48.431 | ng | | 91 |
| 27) 2,4-Dimethylphenol | 9.93 | 122 | 158782 | 52.126 | ng | | 94 |
| 28) bis(2-Chloroethoxy)methane | 10.13 | 93 | 220761 | 48.606 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.41 | 162 | 177656 | 49.989 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 10.59 | 180 | 195763 | 46.530 | ng | | 96 |
| 31) Naphthalene | 10.77 | 128 | 529448 | 47.197 | ng | | 98 |
| 32) Benzoic acid | 10.15 | 122 | 101900 | 50.912 | ng | # | 89 |
| 33) 4-Chloroaniline | 10.90 | 127 | 99587 | 21.199 | ng | | 97 |
| 34) Hexachlorobutadiene | 11.07 | 225 | 139574 | 46.647 | ng | | 99 |
| 35) Caprolactam | 11.67 | 113 | 59852m | 52.043 | ng | | |
| 36) 4-Chloro-3-methylphenol | 12.07 | 107 | 209110 | 50.961 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.39 | 142 | 400349 | 47.927 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.61 | 142 | 386475 | 48.891 | ng | | 99 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.76 | 216 | 229208 | 47.915 | ng | | 99 |

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| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.74 | 237 | 268112 | 99.208 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 13.02 | 196 | 159021 | 49.030 | ng | | 97 |
| 44) 2,4,5-Trichlorophenol | 13.11 | 196 | 164798 | 44.582 | ng | | 94 |
| 46) 1,1'-Biphenyl | 13.40 | 154 | 508406 | 48.880 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.44 | 162 | 396021 | 47.135 | ng | | 97 |
| 48) 2-Nitroaniline | 13.66 | 65 | 132779 | 47.510 | ng | | 97 |
| 49) Acenaphthylene | 14.29 | 152 | 645111 | 47.937 | ng | | 100 |
| 50) Dimethylphthalate | 14.03 | 163 | 542470 | 47.664 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 14.15 | 165 | 125350 | 49.037 | ng | | 97 |
| 52) Acenaphthene | 14.63 | 154 | 387250 | 47.473 | ng | | 97 |
| 53) 3-Nitroaniline | 14.49 | 138 | 70538 | 27.627 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 14.70 | 184 | 141865 | 97.351 | ng | | 97 |
| 55) Dibenzofuran | 14.97 | 168 | 632459 | 47.727 | ng | | 98 |
| 56) 4-Nitrophenol | 14.87 | 139 | 166764 | 90.608 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 14.94 | 165 | 175013 | 47.785 | ng | # | 99 |
| 58) Fluorene | 15.62 | 166 | 533537 | 48.419 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.22 | 232 | 159831 | 49.818 | ng | | 97 |
| 60) Diethylphthalate | 15.39 | 149 | 558095 | 47.969 | ng | | 97 |
| 61) 4-Chlorophenyl-phenylether | 15.61 | 204 | 293770 | 46.256 | ng | | 99 |
| 62) 4-Nitroaniline | 15.66 | 138 | 116314 | 44.388 | ng | | 94 |
| 63) Azobenzene | 15.90 | 77 | 542824 | 48.591 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylphenol | 15.72 | 198 | 110422 | 52.015 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 15.83 | 169 | 466629 | 47.959 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.51 | 248 | 204684 | 45.857 | ng | | 99 |
| 68) Hexachlorobenzene | 16.63 | 284 | 220140 | 47.563 | ng | | 96 |
| 69) Atrazine | 16.78 | 200 | 175731 | 46.545 | ng | | 98 |
| 70) Pentachlorophenol | 16.99 | 266 | 214030 | 92.452 | ng | | 95 |
| 71) Phenanthrene | 17.36 | 178 | 832172 | 46.972 | ng | | 99 |
| 72) Anthracene | 17.45 | 178 | 855601 | 48.498 | ng | | 100 |
| 73) Carbazole | 17.73 | 167 | 778730 | 46.358 | ng | | 98 |
| 74) Di-n-butylphthalate | 18.28 | 149 | 925968 | 46.555 | ng | | 99 |
| 75) Fluoranthene | 19.37 | 202 | 1025648 | 47.080 | ng | | 98 |
| 77) Benzidine | 19.56 | 184 | 350944 | 43.515 | ng | | 99 |
| 78) Pyrene | 19.73 | 202 | 1004134 | 48.336 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.63 | 149 | 417591 | 48.024 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.56 | 228 | 958412 | 47.651 | ng | | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.48 | 252 | 244553 | 32.144 | ng | | 99 |
| 83) Chrysene | 21.62 | 228 | 924567 | 47.526 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.47 | 149 | 576888 | 47.697 | ng | # | 99 |
| 85) Di-n-octyl phthalate | 22.65 | 149 | 954138 | 45.734 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 28.26 | 276 | 1182185 | 49.589 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 23.72 | 252 | 1022109 | 49.574 | ng | | 97 |
| 89) Benzo(k)fluoranthene | 23.79 | 252 | 965954 | 48.951 | ng | | 98 |
| 90) Benzo(a)pyrene | 24.56 | 252 | 922034 | 47.873 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 28.32 | 278 | 967700 | 50.620 | ng | | 97 |
| 92) Benzo(g,h,i)perylene | 29.37 | 276 | 967699 | 50.574 | ng | | 98 |

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

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