Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021120\
Data File : BG044388.D
Acq On : 11 Feb 2020 14:27
Operator : CG/JU
Sample : PB126698BSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB126698BSD

Manual Integrations APPROVED
mohammad
2/13/2020 3:32:33 PM

Quant Time: Feb 12 03:22:34 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 10 16:11:50 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.90 | 152 | 92321 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.71 | 136 | 374510 | 20.00 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.54 | 164 | 243748 | 20.00 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.29 | 188 | 523280 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 21.53 | 240 | 461739 | 20.00 | ng | 0.00 |
| 87) Perylene-d12 | 24.62 | 264 | 500240 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.49 | 112 | 628073 | 120.06 | ng | 0.00 |
| 7) Phenol-d6 | 7.08 | 99 | 819533 | 116.67 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 9.06 | 82 | 432662 | 65.22 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.03 | 330 | 319323 | 111.59 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.17 | 172 | 979379 | 67.28 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.91 | 244 | 1434276 | 63.89 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.37 | 88 | 85853 | 36.528 | ng | 98 |
| 3) Pyridine | 3.76 | 79 | 199422 | 31.848 | ng | 100 |
| 4) n-Nitrosodimethylamine | 3.68 | 42 | 101443 | 38.769 | ng | 98 |
| 6) Aniline | 7.23 | 93 | 291636 | 33.447 | ng | 99 |
| 8) 2-Chlorophenol | 7.47 | 128 | 249148 | 43.336 | ng | 99 |
| 9) Benzaldehyde | 7.04 | 77 | 115747 | 28.931 | ng | 97 |
| 10) Phenol | 7.11 | 94 | 303321 | 43.631 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 7.33 | 93 | 226751 | 38.151 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 7.80 | 146 | 259467 | 37.800 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 7.94 | 146 | 261696 | 38.493 | ng | 98 |
| 14) 1,2-Dichlorobenzene | 8.26 | 146 | 249132 | 38.769 | ng | 98 |
| 15) Benzyl Alcohol | 8.14 | 79 | 206083 | 41.438 | ng | 96 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.44 | 45 | 299031 | 37.172 | ng | 98 |
| 17) 2-Methylphenol | 8.36 | 107 | 212951 | 42.933 | ng | 98 |
| 18) Hexachloroethane | 8.99 | 117 | 96565 | 37.851 | ng | 99 |
| 19) n-Nitroso-di-n-propylamine | 8.71 | 70 | 177163 | 37.843 | ng | 98 |
| 20) 3+4-Methylphenols | 8.68 | 107 | 291462 | 42.638 | ng | 98 |
| 22) Acetophenone | 8.73 | 105 | 340057 | 37.325 | ng | 99 |
| 24) Nitrobenzene | 9.10 | 77 | 253068 | 39.077 | ng | 99 |
| 25) Isophorone | 9.63 | 82 | 489419 | 39.583 | ng | 99 |
| 26) 2-Nitrophenol | 9.82 | 139 | 141112 | 41.993 | ng | 98 |
| 27) 2,4-Dimethylphenol | 9.88 | 122 | 236719 | 49.904 | ng | 98 |
| 28) bis(2-Chloroethoxy)methane | 10.11 | 93 | 312275 | 37.860 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.36 | 162 | 243377 | 42.432 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.57 | 180 | 249953 | 38.005 | ng | 98 |
| 31) Naphthalene | 10.75 | 128 | 719539 | 39.600 | ng | 100 |
| 32) Benzoic acid | 10.05 | 122 | 91357 | 34.778 | ng | 91 |
| 33) 4-Chloroaniline | 10.86 | 127 | 183644 | 22.223 | ng | 98 |
| 34) Hexachlorobutadiene | 11.05 | 225 | 147027 | 36.331 | ng | 100 |
| 35) Caprolactam | 11.63 | 113 | 87347m | 41.572 | ng | |
| 36) 4-Chloro-3-methylphenol | 12.00 | 107 | 255242 | 42.444 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.36 | 142 | 536575 | 39.773 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.59 | 142 | 508636 | 39.990 | ng | 100 |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.74 | 216 | 267151 | 36.640 | ng | 99 |

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Quant Time: Feb 12 03:22:34 2020
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 41) Hexachlorocyclopentadiene | 12.73 | 237 | 311323 | 88.985 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 12.98 | 196 | 189374 | 40.182 | ng | 98 |
| 44) 2,4,5-Trichlorophenol | 13.05 | 196 | 202453 | 42.057 | ng | 99 |
| 46) 1,1'-Biphenyl | 13.38 | 154 | 675940 | 38.445 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.42 | 162 | 527860 | 37.729 | ng | 99 |
| 48) 2-Nitroaniline | 13.62 | 65 | 154621 | 37.448 | ng | 94 |
| 49) Acenaphthylene | 14.27 | 152 | 832071 | 40.548 | ng | 100 |
| 50) Dimethylphthalate | 14.00 | 163 | 676043 | 38.584 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 14.11 | 165 | 155046 | 39.688 | ng | 100 |
| 52) Acenaphthene | 14.61 | 154 | 510713 | 38.397 | ng | 99 |
| 53) 3-Nitroaniline | 14.44 | 138 | 114886 | 26.581 | ng | 100 |
| 54) 2,4-Dinitrophenol | 14.65 | 184 | 163760 | 71.625 | ng | 98 |
| 55) Dibenzofuran | 14.94 | 168 | 797009 | 39.577 | ng | 100 |
| 56) 4-Nitrophenol | 14.77 | 139 | 271599 | 85.787 | ng | 98 |
| 57) 2,4-Dinitrotoluene | 14.91 | 165 | 214547 | 39.183 | ng | 99 |
| 58) Fluorene | 15.59 | 166 | 626589 | 39.504 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.18 | 232 | 176619 | 40.620 | ng | 99 |
| 60) Diethylphthalate | 15.36 | 149 | 673719 | 38.589 | ng | 99 |
| 61) 4-Chlorophenyl-phenylether | 15.59 | 204 | 332948 | 38.714 | ng | 99 |
| 62) 4-Nitroaniline | 15.61 | 138 | 154234 | 35.712 | ng | 99 |
| 63) Azobenzene | 15.88 | 77 | 600345 | 39.235 | ng | 99 |
| 65) 4,6-Dinitro-2-methylphenol | 15.67 | 198 | 127508 | 44.143 | ng | 99 |
| 66) n-Nitrosodiphenylamine | 15.80 | 169 | 591340 | 40.324 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.48 | 248 | 219481 | 38.498 | ng | 98 |
| 68) Hexachlorobenzene | 16.60 | 284 | 240722 | 37.689 | ng | 98 |
| 69) Atrazine | 16.75 | 200 | 225574 | 44.879 | ng | 99 |
| 70) Pentachlorophenol | 16.95 | 266 | 255703 | 79.201 | ng | 97 |
| 71) Phenanthrene | 17.33 | 178 | 1000218 | 39.473 | ng | 99 |
| 72) Anthracene | 17.42 | 178 | 1030309 | 41.127 | ng | 99 |
| 73) Carbazole | 17.69 | 167 | 928111 | 40.187 | ng | 100 |
| 74) Di-n-butylphthalate | 18.26 | 149 | 1136776 | 39.832 | ng | 100 |
| 75) Fluoranthene | 19.34 | 202 | 1180007 | 40.256 | ng | 99 |
| 77) Benzidine | 19.52 | 184 | 556799 | 43.474 | ng | 98 |
| 78) Pyrene | 19.70 | 202 | 1187080 | 40.032 | ng | 99 |
| 80) Butylbenzylphthalate | 20.59 | 149 | 510895 | 37.807 | ng | 99 |
| 81) Benzo(a)anthracene | 21.52 | 228 | 1120492 | 39.374 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.43 | 252 | 328492 | 29.742 | ng | 99 |
| 83) Chrysene | 21.58 | 228 | 1062083 | 38.612 | ng | 99 |
| 84) Bis(2-ethylhexyl)phthalate | 21.44 | 149 | 723811 | 38.915 | ng | 99 |
| 85) Di-n-octyl phthalate | 22.60 | 149 | 1261175 | 39.189 | ng | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 28.12 | 276 | 1354092 | 37.733 | ng | 100 |
| 88) Benzo(b)fluoranthene | 23.65 | 252 | 1178177 | 40.873 | ng | 99 |
| 89) Benzo(k)fluoranthene | 23.71 | 252 | 1153943 | 41.074 | ng | 100 |
| 90) Benzo(a)pyrene | 24.48 | 252 | 1084892 | 39.806 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 28.18 | 278 | 1115204 | 41.346 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 29.21 | 276 | 1137946 | 42.144 | ng | 98 |

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

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